

# A Bibliography of Papers in *Lecture Notes in Computer Science* (1999), Part 1 of 2

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11 June 2016  
Version 1.14

## Title word cross-reference

(+, <) [90].  $(n, m)$  [696].  $(t, s)$  [391]. 1  
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## References

**Derniame:1999:SPM**

- [1] Jean-Claude Derniame, Badara Ali Kaba, and Brian Warboys. The software process: Modelling and technology. *Lecture Notes in Computer Science*, 1500:1-??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1500/15000001.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1500/15000001.pdf>. Editor: Carlo Montangero.

**Finkelstein:1999:SPS**

- [2] Anthony Finkelstein, Alfonso Fuggetta, Carlo Montangero, and Jean-Claude Derniame. Software process — standards, assessments and improvement. *Lecture Notes in Computer Science*, 1500:15-??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1500/15000015.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1500/15000015.pdf>. Editor: Wolfgang Emmerich.

**Conradi:1999:PML**

- [3] Reidar Conradi and M. Letizia Jaccheri. Process modelling languages. *Lecture Notes in Computer Science*, 1500:27-??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1500/15000027.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1500/15000027.pdf>.

**Avrillionis:1999:MP**

- [4] Denis Avrillionis, Reidar Conradi, Pierre-Yves Cunin, Minh Nguyen, and Ian Robertson. Meta-process. *Lecture Notes in Computer Science*, 1500:53-??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1500/15000053.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1500/15000053.pdf>. Editor: Brian Warboys.

**Fuggetta:1999:AVA**

- [5] Alfonso Fuggetta, Claude Godart, and Jens Jahnke. Architectural views and alternatives. *Lecture Notes in Computer Science*, 1500:95-??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1500/15000095.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1500/15000095.pdf>. Editor: Wilhelm Schaefer.

**Belkhatir:1999:CCP**

- [6] Noureddine Belkhatir, Antonio Carzaniga, Jacky Estublier, Elisabetta Di Nitto, Jens Jahnke, Patricia Lago, Wilhelm Schaefer, and Hala Skaf. Cooperation control in PSEE. *Lecture Notes in Computer Science*, 1500:117-??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1500/15000117.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1500/15000117.pdf>.

ny.com/link/service/series/0558/bibs/1500/15000117.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1500/15000117.pdf>. Editor: Claude Godart.

**Arbaoui:1999:HDS**

- [7] Selma Arbaoui, Jacques Lonchamp, and Carlo Montangero. The human dimension of the software process. *Lecture Notes in Computer Science*, 1500:165–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1500/15000165.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1500/15000165.pdf>. Editor: David Wastell.

**Derniame:1999:SPK**

- [8] Jean-Claude Derniame, Mark Greenwood, Peter Kawalek, and Ian Robertson. Software process: Key issues and future directions. *Lecture Notes in Computer Science*, 1500:201–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1500/15000201.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1500/15000201.pdf>. Editors: David Wastell, Luuk Groenewegen.

**Anonymous:1999:LSP**

- [9] Anonymous. Lifecycle (sub) process demonstration scenario (ISPW 9). *Lecture Notes in Computer Science*, 1500:217–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1500/15000217.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1500/15000217.pdf>.

ny.com/link/service/series/0558/bibs/1500/15000217.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1500/15000217.pdf>.

**Groenewegen:1999:CSD**

- [10] Luuk Groenewegen and Vincenzo Ambriola. Case study demonstrating the wider applicability of the PSEE paradigm. *Lecture Notes in Computer Science*, 1500:227–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1500/15000227.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1500/15000227.pdf>. Editor: Jean-Claude Derniame.

**Alloui:1999:AFP**

- [11] Ilham Alloui, Selma Arbaoui, Denis Avrilionis, Christer Fernstrom, Samir Dami, Jacky Estublier, and Flavio Oquendo. Assessment framework for PSEEs. *Lecture Notes in Computer Science*, 1500:245–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1500/15000245.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1500/15000245.pdf>. Editor: Pierre-Yves Cunin.

**Anonymous:1999:GR**

- [12] Anonymous. Glossary and references. *Lecture Notes in Computer Science*, 1500:277–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1500/15000277.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1500/15000277.pdf>.

- springer-ny.com/link/service/series/0558/bibs/1500/15000277.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1500/15000277.pdf>.
- Derniame:1999:SPP**
- [13] J. C. (Jean Claude) Derniame, Badara Ali Kaba, and David Wastell. Software process: Principles, methodology, and technology. *Lecture Notes in Computer Science*, 1500:i–xii, 1–307, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- Brassard:1999:MPE**
- [14] Gilles Brassard and Tal Mor. Multi-particle entanglement via two-particle entanglement. *Lecture Notes in Computer Science*, 1509:1–9, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090001.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090001.pdf>.
- Fijany:1999:QWT**
- [15] Amir Fijany and Colin P. Williams. Quantum wavelet transforms: Fast algorithms and complete circuits. *Lecture Notes in Computer Science*, 1509:10–33, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090010.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090010.pdf>.
- Yepez:1999:QCF**
- [16] Jeffrey Yepez. Quantum computation of fluid dynamics. *Lecture Notes in Computer Science*, 1509:34–60, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090034.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090034.pdf>.
- Cleve:1999:QEC**
- [17] Richard Cleve, Wim van Dam, Michael Nielsen, and Alain Tapp. Quantum entanglement and the communication complexity of the inner product function. *Lecture Notes in Computer Science*, 1509:61–74, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090061.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090061.pdf>.
- Zak:1999:QRN**
- [18] Michail Zak and Colin P. Williams. Quantum recurrent networks for simulating stochastic processes. *Lecture Notes in Computer Science*, 1509:75–88, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090075.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090075.pdf>.

**Mahler:1999:CBC**

- [19] Günter Mahler and Ilki Kim. Correlation between correlations: Process and time in quantum networks. *Lecture Notes in Computer Science*, 1509:89–102, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090089.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090089.pdf>.

**Jozsa:1999:QEA**

- [20] Richard Jozsa. Quantum effects in algorithms. *Lecture Notes in Computer Science*, 1509:103–112, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090103.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090103.pdf>.

**Williams:1999:ADQ**

- [21] Colin P. Williams and Alexander G. Gray. Automated design of quantum circuits. *Lecture Notes in Computer Science*, 1509:113–125, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090113.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090113.pdf>.

**Grover:1999:QSS**

- [22] Lov K. Grover. Quantum search on structured problems. *Lecture Notes in Computer Science*, 1509:126–139, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090126.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090126.pdf>.

**Biron:1999:GGS**

- [23] David Biron, Ofer Biham, Eli Biham, Markus Grassl, and Daniel A. Lidar. Generalized grover search algorithm for arbitrary initial amplitude distribution. *Lecture Notes in Computer Science*, 1509:140–147, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090140.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090140.pdf>.

**Chi:1999:QDS**

- [24] Dong Pyo Chi and Jinsoo Kim. Quantum database search by a single query. *Lecture Notes in Computer Science*, 1509:148–151, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090148.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090148.pdf>.

**Ozhigov:1999:QCC**

- [25] Y. Ozhigov. Quantum computer can not speed up iterated applications of a black box. *Lecture Notes in Computer Science*, 1509:152–159, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090152.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090152.pdf>.

**Zak:1999:QRS**

- [26] Michail Zak. Quantum resonance for solving NP-complete problems by simulations. *Lecture Notes in Computer Science*, 1509:160–166, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090160.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090160.pdf>.

**Abrams:1999:CCP**

- [27] Daniel S. Abrams and Seth Lloyd. Computational complexity and physical law. *Lecture Notes in Computer Science*, 1509:167–173, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090167.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090167.pdf>.

**Mosca:1999:HSP**

- [28] Michele Mosca and Artur Ekert. The hidden subgroup problem and eigenvalue estimation on a quantum computer. *Lecture Notes in Computer Science*, 1509:174–188, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090174.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090174.pdf>.

**Castagnoli:1999:DAQ**

- [29] Giuseppe Castagnoli and Dalida Monti. A diakoptic approach to quantum computation. *Lecture Notes in Computer Science*, 1509:189–199, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090189.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090189.pdf>.

**Hughes:1999:PFS**

- [30] R. J. Hughes, W. T. Buttler, P. G. Kwiat, S. K. Lamoreaux, G. G. Luther, G. L. Morgan, J. E. Nordholt, C. G. Peterson, and C. M. Simmons. Practical free-space quantum cryptography. *Lecture Notes in Computer Science*, 1509:200–213, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090200.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090200.pdf>.

series/0558/papers/1509/15090200.pdf.

**Roy:1999:QCE**

- [31] S. Roy and G. Kar. Quantum cryptography, eavesdropping, and unsharp spin measurement. *Lecture Notes in Computer Science*, 1509:214–217, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090214.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090214.pdf>.

**Cerf:1999:ITA**

- [32] Nicolas J. Cerf. Information-theoretic aspects of quantum copying. *Lecture Notes in Computer Science*, 1509:218–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090218.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090218.pdf>.

**Buzek:1999:UOC**

- [33] V. Buzek and M. Hillery. Universal optimal cloning of qubits and quantum registers. *Lecture Notes in Computer Science*, 1509:235–246, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090235.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090235.pdf>.

**DiVincenzo:1999:EA**

- [34] David P. DiVincenzo, Christopher A. Fuchs, Hideo Mabuchi, John A. Smolin, Ashish Thapliyal, and Armin Uhlmann. Entanglement of assistance. *Lecture Notes in Computer Science*, 1509:247–257, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090247.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090247.pdf>.

**Adami:1999:WIT**

- [35] C. Adami and N. J. Cerf. What information theory can tell us about quantum reality. *Lecture Notes in Computer Science*, 1509:258–268, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090258.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090258.pdf>.

**Levitin:1999:QGC**

- [36] L. B. Levitin. Quantum generalization of conditional entropy and information. *Lecture Notes in Computer Science*, 1509:269–275, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090269.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090269.pdf>.

**Allahverdyan:1999:AIM**

- [37] A. E. Allahverdyan and D. B. Saakian. Accessible information in multi-access quantum channels. *Lecture Notes in Computer Science*, 1509:276–284, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090276.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090276.pdf>.

**Westmoreland:1999:CQC**

- [38] Michael Westmoreland and Benjamin Schumacher. Capacities of quantum channels and quantum coherent information. *Lecture Notes in Computer Science*, 1509:285–295, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090285.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090285.pdf>.

**Saakian:1999:SLI**

- [39] D. B. Saakian and A. E. Allahverdyan. Strengthened Lindblad inequality: Applications in non-equilibrium thermodynamics and quantum information theory. *Lecture Notes in Computer Science*, 1509:296–301, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090296.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090296.pdf>.

[series/0558/papers/1509/15090296.pdf](http://link.springer-ny.com/link/service/series/0558/papers/1509/15090296.pdf).

**Gottesman:1999:FTQ**

- [40] Daniel Gottesman. Fault-tolerant quantum computation with higher-dimensional systems. *Lecture Notes in Computer Science*, 1509:302–313, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090302.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090302.pdf>.

**Chau:1999:QCE**

- [41] H. F. Chau. Quantum convolutional error correction codes. *Lecture Notes in Computer Science*, 1509:314–324, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090314.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090314.pdf>.

**Roychowdhury:1999:ENQ**

- [42] Vwani P. Roychowdhury and Farrokh Vatan. On the existence of nonadditive quantum codes. *Lecture Notes in Computer Science*, 1509:325–336, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090325.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090325.pdf>.

**Duan:1999:QEC**

- [43] Lu-Ming Duan and Guang-Can Guo. Quantum error correction is applicable for reducing spatially correlated decoherence. *Lecture Notes in Computer Science*, 1509:337–340, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090337.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090337.pdf>.

**Ogburn:1999:TQC**

- [44] R. Walter Ogburn and John Preskill. Topological quantum computation. *Lecture Notes in Computer Science*, 1509:341–356, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090341.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090341.pdf>.

**Laflamme:1999:NG**

- [45] R. Laflamme, E. Knill, W. H. Zurek, P. Catasti, and S. V. S. Mariappan. NMR GHZ. *Lecture Notes in Computer Science*, 1509:357–363, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090357.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090357.pdf>.

**Bowden:1999:QCU**

- [46] Charles M. Bowden, Jonathan P. Dowling, and Steven P. Hotaling. Quantum computing using electron-nuclear double resonances. *Lecture Notes in Computer Science*, 1509:364–372, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090364.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090364.pdf>.

**Briegel:1999:PIQ**

- [47] H.-J. Briegel, J. I. Cirac, W. Dür, S. J. van Enk, H. J. Kimble, H. Mabuchi, and P. Zoller. Physical implementations for quantum communication in quantum networks. *Lecture Notes in Computer Science*, 1509:373–382, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090373.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090373.pdf>.

**Franson:1999:OAQ**

- [48] J. D. Franson and T. B. Pittman. An optical approach to quantum computing. *Lecture Notes in Computer Science*, 1509:383–390, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090383.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090383.pdf>.

**Adami:1999:QCL**

- [49] C. Adami and N. J. Cerf. Quantum computation with linear optics. *Lecture Notes in Computer Science*, 1509:391–401, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090391.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090391.pdf>.

**Vitali:1999:DCO**

- [50] D. Vitali and P. Tombesi. Decoherence control for optical qubits. *Lecture Notes in Computer Science*, 1509:402–412, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090402.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090402.pdf>.

**Averin:1999:ACG**

- [51] D. V. Averin. Adiabatic controlled-NOT gate for quantum computation. *Lecture Notes in Computer Science*, 1509:413–425, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090413.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090413.pdf>.

**James:1999:TIQ**

- [52] D. F. V. James, M. S. Gulley, M. H. Holzscheiter, R. J. Hughes, P. G.

Kwiat, S. K. Lamoreaux, C. G. Peterson, V. D. Sandberg, M. M. Schauer, C. M. Simmons, D. Tupa, P. Z. Wang, and A. G. White. Trapped ion quantum computer research at Los Alamos. *Lecture Notes in Computer Science*, 1509:426–437, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090426.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090426.pdf>.

**DeVoe:1999:AEI**

- [53] Ralph G. DeVoe. Arrays of elliptical ion traps for parallel quantum computing. *Lecture Notes in Computer Science*, 1509:438–446, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090438.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090438.pdf>.

**Obenland:1999:SED**

- [54] Kevin M. Obenland and Alvin M. Despain. Simulating the effect of decoherence and inaccuracies on a quantum computer. *Lecture Notes in Computer Science*, 1509:447–459, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090447.htm>; <http://link.springer-ny.com/link/service/>

series/0558/papers/1509/15090447.pdf.

**Balandin:1999:IQC**

- [55] Alexander A. Balandin and Kang L. Wang. Implementation of quantum controlled-NOT gates using asymmetric semiconductor quantum dots. *Lecture Notes in Computer Science*, 1509:460–467, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090460.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090460.pdf>.

**Matsueda:1999:SDQ**

- [56] Hideaki Matsueda. Spatiotemporal dynamics of quantum computing solid dipole-dipole block systems. *Lecture Notes in Computer Science*, 1509:468–477, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1509/15090468.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1509/15090468.pdf>.

**Alves-Foss:1999:FGJ**

- [57] J. Alves-Foss and D. Frincke. Formal grammar for Java. *Lecture Notes in Computer Science*, 1523:1–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Drossopoulou:1999:DSJ**

- [58] S. Drossopoulou and S. Eisenbach. Describing the semantics of Java and proving type soundness. *Lecture*

*Notes in Computer Science*, 1523:41–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Syme:1999:PJT**

- [59] D. Syme. Proving Java type soundness. *Lecture Notes in Computer Science*, 1523:83–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**VonOheimb:1999:MCJ**

- [60] D. Von Oheimb and T. Nipkow. Machine-checking the Java specification: Proving type-safety. *Lecture Notes in Computer Science*, 1523:119–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cenciarelli:1999:EBS**

- [61] P. Cenciarelli, A. Knapp, B. Reus, and M. Wirsing. An event-based structural operational semantics of multithreaded Java. *Lecture Notes in Computer Science*, 1523:157–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Alves-Foss:1999:DDS**

- [62] J. Alves-Foss and F. S. Lam. Dynamic denotational semantics of Java. *Lecture Notes in Computer Science*, 1523:201–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Flatt:1999:PRS**

- [63] M. Flatt, S. Krishnamurthi, and M. Felleisen. A programmer’s reduction semantics for classes and mixins. *Lecture Notes in Computer Sci-*

ence, 1523:241–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Qian:1999:FSJ**

- [64] Z. Qian. A formal specification of Java[™] virtual machine instructions for objects, methods and sub-routines. *Lecture Notes in Computer Science*, 1523:271–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hartel:1999:OSJ**

- [65] P. H. Hartel, M. J. Butler, and M. Levy. The operational semantics of a Java secure processor. *Lecture Notes in Computer Science*, 1523:313–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boerger:1999:PFM**

- [66] E. Boerger and W. Schulte. A programmer friendly modular definition of the semantics of Java. *Lecture Notes in Computer Science*, 1523:353–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Atkinson:1999:IRT**

- [67] Malcolm Atkinson and Mick Jordan. Issues raised by three years of developing PJama: An orthogonally persistent platform for Java™. *Lecture Notes in Computer Science*, 1540:1–30, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1540/15400001.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1540/15400001.pdf>.

**Papadimitriou:1999:NCA**

- [68] Christos H. Papadimitriou. Novel computational approaches to information retrieval and data mining p. 31. *Lecture Notes in Computer Science*, 1540:31–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1540/15400031.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1540/15400031.pdf>.

**Lenzerini:1999:DLT**

- [69] Maurizio Lenzerini. Description logics and their relationships with databases. *Lecture Notes in Computer Science*, 1540:32–38, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1540/15400032.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1540/15400032.pdf>.

**Popa:1999:ECP**

- [70] Lucian Popa and Val Tannen. An equational chase for path-conjunctive queries, constraints, and views. *Lecture Notes in Computer Science*, 1540:39–57, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1540/15400039.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1540/15400039.pdf>.

**Neven:1999:ALF**

- [71] Frank Neven, Martin Otto, Jurek Tyszkiewicz, and Jan Van den Bussche. Adding for-loops to first-order logic. *Lecture Notes in Computer Science*, 1540:58–69, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1540/15400058.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1540/15400058.pdf>.

**Grohe:1999:DDC**

- [72] Martin Grohe and Julian Mariño. Definability and descriptive complexity on databases of bounded tree-width. *Lecture Notes in Computer Science*, 1540:70–82, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1540/15400070.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1540/15400070.pdf>.

**Bailey:1999:DFO**

- [73] James Bailey and Guozhu Dong. Decidability of first-order logic queries over views. *Lecture Notes in Computer Science*, 1540:83–99, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1540/15400083.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1540/15400083.pdf>.

**Gardy:1999:UMY**

- [74] Danièle Gardy and Laurent Némirovski. Urn models and Yao’s formula. *Lecture Notes in Computer Science*, 1540:100–112, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1540/15400100.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1540/15400100.pdf>.

**Hellerstein:1999:GDI**

- [75] Joseph M. Hellerstein, Lisa Hellerstein, and George Kollios. On the generation of 2-dimensional index workloads. *Lecture Notes in Computer Science*, 1540:113–130, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1540/15400113.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1540/15400113.pdf>.

**Nicola:1999:IEA**

- [76] Matthias Nicola and Matthias Jarke. Increasing the expressiveness of analytical performance models for replicated databases. *Lecture Notes in Computer Science*, 1540:131–149, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1540/15400131.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1540/15400131.pdf>.

**Alonso:1999:TSF**

- [77] Gustavo Alonso, Armin Feßler, Guy Pardon, and Hans-Jörg Schek. Transactions in stack, fork, and join composite systems. *Lecture Notes in Computer Science*, 1540:150–168, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1540/15400150.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1540/15400150.pdf>.

**Wolfson:1999:DTM**

- [78] Ouri Wolfson, Liqin Jiang, A. Prasad Sistla, Sam Chamberlain, Naphtali Rishe, and Minglin Deng. Databases for tracking mobile units in real time. *Lecture Notes in Computer Science*, 1540:169–186, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1540/15400169.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1540/15400169.pdf>.

**Kuijpers:1999:CFO**

- [79] Bart Kuijpers and Jan Van den Bussche. On capturing first-order topological properties of planar spatial databases. *Lecture Notes in Computer Science*, 1540:187–198, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1540/15400187.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1540/15400187.pdf>.

[series/0558/papers/1540/15400187.pdf](http://link.springer-ny.com/link/service/series/0558/papers/1540/15400187.pdf).

**Grumbach:1999:ODC**

- [80] Stéphane Grumbach, Philippe Rigaux, and Luc Segoufin. On the orthographic dimension of constraint databases. *Lecture Notes in Computer Science*, 1540:199–216, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1540/15400199.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1540/15400199.pdf>.

**Beyer:1999:WNN**

- [81] Kevin Beyer, Jonathan Goldstein, Raghu Ramakrishnan, and Uri Shaft. When is “nearest neighbor” meaningful? *Lecture Notes in Computer Science*, 1540:217–235, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1540/15400217.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1540/15400217.pdf>.

**Muthukrishnan:1999:RPT**

- [82] S. Muthukrishnan, Viswanath Poosala, and Torsten Suel. On rectangular partitionings in two dimensions: Algorithms, complexity, and applications. *Lecture Notes in Computer Science*, 1540:236–256, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1540/15400236.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1540/15400236.pdf>.

/link.springer-ny.com/link/service/series/0558/papers/1540/15400236.pdf.

**Kanth:1999:ODR**

- [83] K. V. Ravi Kanth and Ambuj Singh. Optimal dynamic range searching in non-replicating index structures. *Lecture Notes in Computer Science*, 1540:257–276, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1540/15400257.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1540/15400257.pdf>.

**Milo:1999:ISP**

- [84] Tova Milo and Dan Suciu. Index structures for path expressions. *Lecture Notes in Computer Science*, 1540:277–295, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1540/15400277.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1540/15400277.pdf>.

**Beeri:1999:SIT**

- [85] Catriel Beeri and Tova Milo. Schemas for integration and translation of structured and semi-structured data. *Lecture Notes in Computer Science*, 1540:296–313, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1540/15400296.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1540/15400296.pdf>.

series/0558/papers/1540/15400296.pdf.

**Been:1999:SIT**

- [86] C. Been and T. Milo. Schemas for integration and translation of structured and semi-structured data. *Lecture Notes in Computer Science*, 1540:296–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Grumbach:1999:SLS**

- [87] Stéphane Grumbach and Giansalvatore Mecca. In search of the lost schema. *Lecture Notes in Computer Science*, 1540:314–331, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1540/15400314.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1540/15400314.pdf>.

**Grahne:1999:TTQ**

- [88] Gösta Grahne and Alberto O. Mendelzon. Tableau techniques for querying information sources through global schemas. *Lecture Notes in Computer Science*, 1540:332–347, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1540/15400332.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1540/15400332.pdf>.

**Yerneni:1999:OLJ**

- [89] Ramana Yerneni, Chen Li, Jeffrey Ullman, and Hector Garcia-Molina. Optimizing large join queries in mediation systems. *Lecture Notes in Computer Science*, 1540:348–364, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1540/15400348.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1540/15400348.pdf>.

**Pang:1999:IFM**

- [90] Chaoyi Pang, Ramamohanarao Kotagiri, and Guozhu Dong. Incremental FO(+, <) maintenance of all-pairs shortest paths for undirected graphs after insertions and deletions. *Lecture Notes in Computer Science*, 1540:365–382, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1540/15400365.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1540/15400365.pdf>.

**Cabibbo:1999:FIA**

- [91] Luca Cabibbo and Riccardo Torlone. A framework for the investigation of aggregate functions in database queries. *Lecture Notes in Computer Science*, 1540:383–397, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1540/15400383.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1540/15400383.pdf>.

[series/0558/papers/1540/15400383.pdf](http://link.springer-ny.com/link/service/series/0558/papers/1540/15400383.pdf).

**Pasquier:1999:DFC**

- [92] Nicolas Pasquier, Yves Bastide, Rafik Taouil, and Lotfi Lakhal. Discovering frequent closed itemsets for association rules. *Lecture Notes in Computer Science*, 1540:398–416, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1540/15400398.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1540/15400398.pdf>.

**Godfrey:1999:VD**

- [93] Parke Godfrey and Jarek Gryz. View disassembly. *Lecture Notes in Computer Science*, 1540:417–434, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1540/15400417.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1540/15400417.pdf>.

**Afrati:1999:AQU**

- [94] Foto N. Afrati, Manolis Gergatsoulis, and Theodoros Kavalieros. Answering queries using materialized views with disjunctions. *Lecture Notes in Computer Science*, 1540:435–452, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1540/15400435.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1540/15400435.pdf>.

series/0558/papers/1540/15400435.pdf.

**Gupta:1999:SVM**

- [95] Himanshu Gupta and Inderpal Singh Mumick. Selection of views to materialize under a maintenance cost constraint. *Lecture Notes in Computer Science*, 1540:453–470, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1540/15400453.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1540/15400453.pdf>.

**Gupta:1999:DWN**

- [96] Himanshu Gupta and Divesh Srivastava. The data warehouse of newsgroups. *Lecture Notes in Computer Science*, 1540:471–488, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1540/15400471.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1540/15400471.pdf>.

**Schlegel:1999:IVB**

- [97] C. Schlegel, J. Illman, H. Jaberg, and M. Schuster. Integrating vision based behaviours with an autonomous robot. *Lecture Notes in Computer Science*, 1542:1–20, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Santos-Victor:1999:TMV**

- [98] J. Santos-Victor, R. Vassallo, and H. Schneebeli. Topological maps for visual navigation. *Lecture Notes in Computer Science*, 1542:21–36, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Southall:1999:VAO**

- [99] B. Southall, T. Hague, J. A. Marchant, and B. F. Buxton. Vision-aided outdoor navigation of an autonomous horticultural vehicle. *Lecture Notes in Computer Science*, 1542:37–50, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schiele:1999:ICV**

- [100] B. Schiele, N. Oliver, T. Jebara, and A. Pentland. An interactive computer vision system DyPERS: Dynamic personal enhanced reality system. *Lecture Notes in Computer Science*, 1542:51–65, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pinhanez:1999:UCV**

- [101] C. Pinhanez and A. Bobick. Using computer vision to control a reactive computer graphics character in a theater play. *Lecture Notes in Computer Science*, 1542:66–82, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hammes:1999:SLO**

- [102] J. P. Hammes, B. A. Draper, and A. P. Willem Boehm. Sassy: A language and optimizing compiler for image processing on reconfigurable computing systems. *Lecture Notes in Computer*

*Science*, 1542:83–97, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Torres:1999:SSR**

- [103] F. Torres, F. A. Candelas, S. T. Puente, and L. M. Jimenez. Simulation and scheduling of real-time computer vision algorithms. *Lecture Notes in Computer Science*, 1542:98–114, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nordlund:1999:RTM**

- [104] P. Nordlund and J.-O. Eklundh. Real-time maintenance of figure-ground segmentation. *Lecture Notes in Computer Science*, 1542:115–134, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Vincze:1999:IFR**

- [105] M. Vincze, M. Ayromlou, and W. Kubinger. An integrated framework for robust real-time 3D object tracking. *Lecture Notes in Computer Science*, 1542:135–150, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Vieux:1999:FTC**

- [106] W. E. Vieux, K. Schwerdt, and J. L. Crowley. Face-tracking and coding for video compression. *Lecture Notes in Computer Science*, 1542:151–161, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Prassler:1999:TPR**

- [107] E. Prassler, J. Scholz, and A. Elfes. Tracking people in a railway station during rush-hour. *Lecture Notes in Computer Science*, 1542:162–179, 1999.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Paulus:1999:AKB**

- [108] D. Paulus, U. Ahlrichs, B. Heigl, and J. Denzler. Active knowledge-based scene analysis. *Lecture Notes in Computer Science*, 1542:180–199, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Thonnat:1999:EII**

- [109] M. Thonnat, S. Moisan, and M. Crubezy. Experience in integrating image processing programs. *Lecture Notes in Computer Science*, 1542:200–215, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Coradeschi:1999:IVD**

- [110] S. Coradeschi, L. Karlsson, and K. Nordberg. Integration of vision and decision-making in an autonomous airborne vehicle for traffic surveillance. *Lecture Notes in Computer Science*, 1542:216–230, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wachsmuth:1999:MIV**

- [111] S. Wachsmuth, H. Brandt-Pook, G. Socher, and F. Kummert. Multilevel integration of vision and speech understanding using Bayesian networks. *Lecture Notes in Computer Science*, 1542:231–254, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Oliver:1999:BCV**

- [112] N. Oliver, B. Rosario, and A. Pentland. A Bayesian computer vision

system for modeling human interaction. *Lecture Notes in Computer Science*, 1542:255–272, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jebara:1999:ARL**

- [113] T. Jebara and A. Pentland. Action reaction learning: Automatic visual analysis and synthesis of interactive behaviour. *Lecture Notes in Computer Science*, 1542:273–292, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hernandez-Sosa:1999:GMP**

- [114] D. Hernandez-Sosa, J. Lorenzo-Navarro, M. Hernandez-Tejera, and J. Cabrera-Gamez. A generic model for perception-action systems analysis of a knowledge-based prototype. *Lecture Notes in Computer Science*, 1542:293–311, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Doods:1999:HVA**

- [115] Z. Doods, M. Jaegersand, G. Hager, and K. Toyama. A hierarchical vision architecture for robotic manipulation tasks. *Lecture Notes in Computer Science*, 1542:312–330, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Krautgartner:1999:OIP**

- [116] P. Krautgartner and M. Vincze. Optimal image processing architecture for active vision. *Lecture Notes in Computer Science*, 1542:331–347, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Benitez:1999:RCV**

- [117] D. Benitez and J. Cabrera. Reactive computer vision system with reconfigurable architecture. *Lecture Notes in Computer Science*, 1542:348–360, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Steinhaus:1999:MME**

- [118] P. Steinhaus, M. Ehrenmann, and R. Dillmann. MEPHISTO: A modular and extensible path planning system using observation. *Lecture Notes in Computer Science*, 1542:361–375, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hernandez:1999:DAV**

- [119] M. Hernandez, J. Cabrera, A. Dominguez, and M. Castrillon. DESEO: An active vision system for detection, tracking and recognition. *Lecture Notes in Computer Science*, 1542:376–391, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bollmann:1999:PDC**

- [120] M. Bollmann, R. Hoischen, M. Jesikiewicz, and C. Justkowski. Playing domino: A case study for an active vision system. *Lecture Notes in Computer Science*, 1542:392–411, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Barreto:1999:IAV**

- [121] J. Barreto, P. Peixoto, J. Batista, and H. Araujo. Improving 3D active visual tracking. *Lecture Notes in Computer Science*, 1542:412–431, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**SantosConde:1999:SSB**

- [122] J. E. Santos Conde, A. Teuner, S.-B. Park, and B. J. Hosticka. Surveillance system based on detection and tracking of moving objects using CMOS imagers. *Lecture Notes in Computer Science*, 1542:432–449, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Parra:1999:DMR**

- [123] C. Parra, R. Murrieta-Cid, M. Devy, and M. Briot. 3-D modelling and robot localization from visual and range data in natural scenes. *Lecture Notes in Computer Science*, 1542:450–468, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Marengoni:1999:AIV**

- [124] M. Marengoni, C. Jaynes, A. Hanson, and E. Riseman. Ascender II, a visual framework for 3D reconstruction. *Lecture Notes in Computer Science*, 1542:469–488, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wolfart:1999:HAC**

- [125] E. Wolfart, V. Sequeira, K. Ng, and S. Butterfield. Hybrid approach to the construction of triangulated 3D models of building interiors. *Lecture Notes in Computer Science*, 1542:489–508, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Young:1999:CCS**

- [126] R. Young, J. Matas, and J. Kittler. On camera calibration for scene model acquisition and maintenance using an active vision system. *Lecture Notes in*

*Computer Science*, 1542:509–521, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Draper:1999:AAO**

- [127] B. A. Draper, J. Bins, and K. Baek. ADORE: Adaptive object recognition. *Lecture Notes in Computer Science*, 1542:522–537, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jonquieres:1999:ORG**

- [128] S. Jonquieres, M. Devy, F. Huynh, and M. Khatib. Object recognition for a grasping task by a mobile manipulator. *Lecture Notes in Computer Science*, 1542:538–551, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chaochen:1999:DCL**

- [129] Zhou Chaochen. Duration calculus, a logical approach to real-time systems. *Lecture Notes in Computer Science*, 1548:1–7, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1548/15480001.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480001.pdf>.

**Pigozzi:1999:AAL**

- [130] Don Pigozzi. Abstract algebraic logic. *Lecture Notes in Computer Science*, 1548:8–16, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1548/15480008.htm>; <http://link.springer-ny.com/link/service/>

series/0558/papers/1548/15480008.pdf.

**Maibaum:1999:SRS**

- [131] Thomas S. E. Maibaum, Pauline Kan, and Kevin Lano. Systematising reactive system design. *Lecture Notes in Computer Science*, 1548:17–22, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1548/15480017.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480017.pdf>.

**Zave:1999:SDC**

- [132] Pamela Zave. Systematic design of call-coverage features. *Lecture Notes in Computer Science*, 1548:23–27, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1548/15480023.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480023.pdf>.

**Manna:1999:VAT**

- [133] Zohar Manna, Anca Browne, Henny B. Sipma, and Tomás E. Uribe. Visual abstractions for temporal verification. *Lecture Notes in Computer Science*, 1548:28–41, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1548/15480028.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480028.pdf>.

**Winskel:1999:LMC**

- [134] Glynn Winskel. A linear meta-language for concurrency. *Lecture Notes in Computer Science*, 1548:42–58, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1548/15480042.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480042.pdf>.

**Yoneda:1999:VBD**

- [135] Tomohiro Yoneda, Bin Zhou, and Bernd-Holger Schlingloff. Verification of bounded delay asynchronous circuits with timed traces. *Lecture Notes in Computer Science*, 1548:59–73, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1548/15480059.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480059.pdf>.

**Groote:1999:VTP**

- [136] Jan Friso Groote and Radu Mateescu. Verification of temporal properties of processes in a setting with data. *Lecture Notes in Computer Science*, 1548:74–90, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1548/15480074.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480074.pdf>.

**Baum:1999:LRT**

- [137] Gabriel A. Baum, Marcelo F. Frias, and Thomas S. E. Maibaum. A logic for real-time systems specification, its algebraic semantics, and equational calculus. *Lecture Notes in Computer Science*, 1548:91–105, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1548/15480091.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480091.pdf>.

**Sutre:1999:ERM**

- [138] Gregoire Sutre, Alain Finkel, Olivier Roux, and Franck Cassez. Effective recognizability and model checking of reactive fifo automata. *Lecture Notes in Computer Science*, 1548:106–123, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1548/15480106.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480106.pdf>.

**Buth:1999:CML**

- [139] Bettina Buth, Jan Peleska, and Hui Shi. Combining methods for the livelock analysis of a fault-tolerant system. *Lecture Notes in Computer Science*, 1548:124–139, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1548/15480124.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480124.pdf>.

[series/0558/papers/1548/15480124.pdf](http://link.springer-ny.com/link/service/series/0558/papers/1548/15480124.pdf).

**Heinemann:1999:SSM**

- [140] Bernhard Heinemann. Separating sets by modal formulas. *Lecture Notes in Computer Science*, 1548:140–153, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1548/15480140.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480140.pdf>.

**Marx:1999:IML**

- [141] Maarten Marx. Interpolation in modal logic. *Lecture Notes in Computer Science*, 1548:154–163, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1548/15480154.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480154.pdf>.

**DePaiva:1999:BML**

- [142] V. De Paiva and A. Schalk. Building models of linear logic. *Lecture Notes in Computer Science*, 1548:164–177, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Paiva:1999:BML**

- [143] Valeria de Paiva and Andrea Schalk. Building models of linear logic. *Lecture Notes in Computer Science*, 1548:164–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1548/15480164.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480164.pdf>.

ny.com/link/service/series/0558/bibs/1548/15480164.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480164.pdf>.

**Schorlemmer:1999:TRL**

- [144] W. Marco Schorlemmer. Term rewriting in a logic of special relations. *Lecture Notes in Computer Science*, 1548:178–195, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1548/15480178.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480178.pdf>.

**Hannay:1999:ABE**

- [145] Jo Erskine Hannay. Abstraction barriers in equational proof. *Lecture Notes in Computer Science*, 1548:196–213, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1548/15480196.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480196.pdf>.

**Debbabi:1999:SBM**

- [146] Mourad Debbabi, Abdelkader Benzakour, and Béchir Ktari. A synergy between model-checking and type inference for the verification of value-passing higher-order processes. *Lecture Notes in Computer Science*, 1548:214–230, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1548/15480214.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480214.pdf>.

bibs/1548/15480214.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480214.pdf>.

**Dingel:1999:TBR**

- [147] Jürgen Dingel. A trace-based refinement calculus for shared-variable parallel programs. *Lecture Notes in Computer Science*, 1548:231–247, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1548/15480231.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480231.pdf>.

**Steen:1999:CPP**

- [148] Maarten Steen, John Derrick, Eerke Boiten, and Howard Bowman. Consistency of partial process specifications. *Lecture Notes in Computer Science*, 1548:248–262, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1548/15480248.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480248.pdf>.

**Hennicker:1999:OL**

- [149] Rolf Hennicker and Michel Bidoit. Observational logic. *Lecture Notes in Computer Science*, 1548:263–277, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1548/15480263.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480263.pdf>.

series/0558/papers/1548/15480263. pdf.

**VanGlabbeek:1999:SA**

- [150] R. Van Glabbeek and P. Rittgen. Scheduling algebra. *Lecture Notes in Computer Science*, 1548:278–292, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Glabbeek:1999:SA**

- [151] Rob van Glabbeek and Peter Rittgen. Scheduling algebra. *Lecture Notes in Computer Science*, 1548:278–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1548/15480278.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480278.pdf>.

**Fiadeiro:1999:ASC**

- [152] José Luiz Fiadeiro and Antónia Lopes. Algebraic semantics of coordination or what is in a signature? *Lecture Notes in Computer Science*, 1548:293–307, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1548/15480293.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480293.pdf>.

**Silva:1999:AAC**

- [153] Leila Silva, Augusto Sampaio, Edna Barros, and Juliano Iyoda. An algebraic approach to combining processes in a hardware/software partitioning environment. *Lecture Notes*

*in Computer Science*, 1548:308–324, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1548/15480308.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480308.pdf>.

**Cenciarelli:1999:AVP**

- [154] Pietro Cenciarelli. An algebraic view of program composition. *Lecture Notes in Computer Science*, 1548:325–340, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1548/15480325.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480325.pdf>.

**Bidoit:1999:ASC**

- [155] Michel Bidoit, Donald Sannella, and Andrzej Tarlecki. Architectural specifications in CASL. *Lecture Notes in Computer Science*, 1548:341–357, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1548/15480341.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480341.pdf>.

**Quaglia:1999:PCC**

- [156] Paola Quaglia. Pi-congruences as CCS equivalences. *Lecture Notes in Computer Science*, 1548:358–372, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (elec-

tronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1548/15480358.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480358.pdf>.

**Kirchner:1999:ASH**

- [157] Hélène Kirchner and Peter D. Mosses. Algebraic specifications, higher-order types, and set-theoretic models. *Lecture Notes in Computer Science*, 1548: 373–388, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1548/15480373.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480373.pdf>.

**Drabent:1999:TAC**

- [158] Włodzimierz Drabent and Paweł Pietrzak. Type analysis for CHIP. *Lecture Notes in Computer Science*, 1548: 389–405, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1548/15480389.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480389.pdf>.

**Erwig:1999:CPA**

- [159] Martin Erwig. Categorical programming with abstract data types. *Lecture Notes in Computer Science*, 1548:406–421, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1548/15480406.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480406.pdf>.

[/link.springer-ny.com/link/service/series/0558/papers/1548/15480406.pdf](http://link.springer-ny.com/link/service/series/0558/papers/1548/15480406.pdf).

**RuizJimenez:1999:CLP**

- [160] B. C. Ruiz Jimenez. Condensing lemmas for pure type systems with universes. *Lecture Notes in Computer Science*, 1548:422–437, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jimenez:1999:CLP**

- [161] Blas C. Ruiz Jiménez. Condensing lemmas for pure type systems with universes. *Lecture Notes in Computer Science*, 1548:422–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1548/15480422.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480422.pdf>.

**Almendros-Jimenez:1999:ICT**

- [162] Jesús Manuel Almendros-Jiménez. Improving computations in a typed functional logic language. *Lecture Notes in Computer Science*, 1548:438–454, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1548/15480438.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480438.pdf>.

**Spoto:1999:AIP**

- [163] Fausto Spoto and Giorgio Levi. Abstract interpretation of Prolog pro-

grams. *Lecture Notes in Computer Science*, 1548:455–470, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1548/15480455.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480455.pdf>.

**Bagnara:1999:FEV**

- [164] Roberto Bagnara and Peter Schachte. Factorizing equivalent variable pairs in ROBDD-based implementations of pos. *Lecture Notes in Computer Science*, 1548:471–485, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1548/15480471.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480471.pdf>.

**Martini:1999:SPA**

- [165] Alfio Martini and Uwe Wolter. A single perspective on arrows between institutions. *Lecture Notes in Computer Science*, 1548:486–501, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1548/15480486.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480486.pdf>.

**Machado:1999:OIT**

- [166] Patrícia D. L. Machado. On oracles for interpreting test results against algebraic specifications. *Lecture Notes in Computer Science*, 1548:502–518,

1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1548/15480502.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480502.pdf>.

**Gassmann:1999:REE**

- [167] Zoltan Gassmann, Luis Mandel, and Roshan Sembacuttiaratchy. R ECOPLA : An extendible graphic meta-editor. *Lecture Notes in Computer Science*, 1548:519–521, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1548/15480519.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480519.pdf>.

**Grahlmann:1999:SP**

- [168] Bernd Grahlmann. The state of PEP. *Lecture Notes in Computer Science*, 1548:522–526, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1548/15480522.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480522.pdf>.

**DeMoura:1999:ASA**

- [169] H. P. De Moura and L. C. De Sousa Menezes. The ABACO system — an Algebraic Based Action Compiler. *Lecture Notes in Computer Science*, 1548:527–529, 1999. CODEN

LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Moura:1999:BSA**

- [170] Hermano Perrelli de Moura and Luis Carlos de Sousa Menezes. The A BACO system — an algebraic based action COMpiler. *Lecture Notes in Computer Science*, 1548:527–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1548/15480527.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1548/15480527.pdf>.

**Pettersson:1999:CNS**

- [171] M. Pettersson. Compiling natural semantics. *Lecture Notes in Computer Science*, 1549:i–xvi, 1–240, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Paulson:1999:IAIa**

- [172] Lawrence C. Paulson. Inductive analysis of the Internet Protocol TLS (position paper). *Lecture Notes in Computer Science*, 1550:1–12, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1550/15500001.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1550/15500001.pdf>.

**Anonymous:1999:IAI**

- [173] Anonymous. Inductive analysis of the Internet Protocol TLS: Discussion. *Lecture Notes in Computer*

*Science*, 1550:13–23, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Paulson:1999:IAIb**

- [174] Lawrence C. Paulson. Inductive analysis of the Internet Protocol TLS (transcript of discussion). *Lecture Notes in Computer Science*, 1550:13–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1550/15500013.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1550/15500013.pdf>.

**Foley:1999:ECVa**

- [175] Simon N. Foley. External consistency and the verification of security protocols (position paper). *Lecture Notes in Computer Science*, 1550:24–27, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1550/15500024.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1550/15500024.pdf>.

**Anonymous:1999:ECV**

- [176] Anonymous. External consistency and the verification of security protocols: Discussion. *Lecture Notes in Computer Science*, 1550:28–35, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Foley:1999:ECVb**

- [177] Simon N. Foley. External consistency and the verification of security proto-

cols (transcript of discussion). *Lecture Notes in Computer Science*, 1550:28–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1550/15500028.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1550/15500028.pdf>.

**Ellison:1999:TSGa**

- [178] Carl Ellison. The trust shell game (position paper). *Lecture Notes in Computer Science*, 1550:36–40, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1550/15500036.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1550/15500036.pdf>.

**Anonymous:1999:TSG**

- [179] Anonymous. The trust shell game: Discussion. *Lecture Notes in Computer Science*, 1550:41–44, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ellison:1999:TSGb**

- [180] Carl Ellison. The trust shell game (transcript of discussion). *Lecture Notes in Computer Science*, 1550:41–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1550/15500041.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1550/15500041.pdf>.

**Feigenbaum:1999:OALa**

- [181] Joan Feigenbaum. Overview of the AT&T Labs trust-management project (position paper). *Lecture Notes in Computer Science*, 1550:45–50, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1550/15500045.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1550/15500045.pdf>.

**Anonymous:1999:OAL**

- [182] Anonymous. Overview of the AT&T Labs trust-management project: Discussion. *Lecture Notes in Computer Science*, 1550:51–58, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Feigenbaum:1999:OALb**

- [183] Joan Feigenbaum. Overview of the AT&T labs trust-management project (transcript of discussion). *Lecture Notes in Computer Science*, 1550:51–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1550/15500051.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1550/15500051.pdf>.

**Blaze:1999:KTM**

- [184] Matt Blaze, Joan Feigenbaum, and Angelos D. Keromytis. KeyNote: Trust management for public-key infrastructures (position paper). *Lecture Notes in Computer Science*, 1550:59–63, 1999. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1550/15500059.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1550/15500059.pdf>.

**Anonymous:1999:DST**

- [185] Anonymous. Discussion session — trust management. *Lecture Notes in Computer Science*, 1550:64–66, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1550/15500064.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1550/15500064.pdf>.

**Gligor:1999:AOSa**

- [186] Virgil D. Gligor and Serban I. Gavrila. Application-oriented security policies and their composition (position paper). *Lecture Notes in Computer Science*, 1550:67–74, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1550/15500067.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1550/15500067.pdf>.

**Anonymous:1999:AOS**

- [187] Anonymous. Application-oriented security policies and their composition: Discussion. *Lecture Notes in Computer Science*, 1550:75–82, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gligor:1999:AOSb**

- [188] Virgil D. Gligor. Application-oriented security policies and their composition (transcript of discussion). *Lecture Notes in Computer Science*, 1550:75–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1550/15500075.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1550/15500075.pdf>.

**Yoshiura:1999:SFU**

- [189] Hiroshi Yoshiura, Ryoichi Sasaki, and Kazuo Takaragi. Secure fingerprinting using public-key cryptography (position paper). *Lecture Notes in Computer Science*, 1550:83–89, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1550/15500083.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1550/15500083.pdf>.

**Yshiura:1999:SFU**

- [190] H. Yshiura, R. Sasaki, and K. Takaragi. Secure fingerprinting using public-key cryptography. *Lecture Notes in Computer Science*, 1550:83–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sasaki:1999:SFU**

- [191] Ryoichi Sasaki. Secure fingerprinting using public-key cryptography (transcript of discussion). *Lecture Notes in Computer Science*, 1550:90–94, 1999. CODEN LNCS9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1550/15500090.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1550/15500090.pdf>.

**Bergadano:1999:TPCa**

- [192] F. Bergadano and P. De Mauro. Third party certification of HTTP service access statistics (position paper). *Lecture Notes in Computer Science*, 1550:95–99, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1550/15500095.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1550/15500095.pdf>.

**Anonymous:1999:TPC**

- [193] Anonymous. Third party certification of HTTP service access statistics: Discussion. *Lecture Notes in Computer Science*, 1550:100–107, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bergadano:1999:TPCb**

- [194] F. Bergadano. Third party certification of HTTP service access statistics (transcript of discussion). *Lecture Notes in Computer Science*, 1550:100–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1550/15500100.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1550/15500100.pdf>.

**Harbison:1999:DTT**

- [195] William S. Harbison. Delegating trust (transcript of discussion). *Lecture Notes in Computer Science*, 1550:108–117, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1550/15500108.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1550/15500108.pdf>.

**Crispo:1999:DRP**

- [196] Bruno Crispo. Delegation of responsibility (position paper). *Lecture Notes in Computer Science*, 1550:118–124, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1550/15500118.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1550/15500118.pdf>.

**Crispo:1999:DRT**

- [197] Bruno Crispo. Delegation of responsibility (transcript of discussion). *Lecture Notes in Computer Science*, 1550:125–130, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1550/15500125.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1550/15500125.pdf>.

**Lomas:1999:APT**

- [198] Mark Lomas. Abuse of process (transcript of discussion). *Lecture Notes*

in *Computer Science*, 1550:131–136, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1550/15500131.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1550/15500131.pdf>.

**Landrock:1999:NCPa**

- [199] Peter Landrock. A new concept in protocols: Verifiable computational delegation (position paper). *Lecture Notes in Computer Science*, 1550:137–145, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1550/15500137.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1550/15500137.pdf>.

**Landrock:1999:NCPb**

- [200] Peter Landrock. A new concept in protocols: Verifiable computational delegation (transcript of discussion). *Lecture Notes in Computer Science*, 1550:146–153, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1550/15500146.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1550/15500146.pdf>.

**Christianson:1999:DSCa**

- [201] Bruce Christianson and James A. Malcolm. Delegation and not-so smart cards (position paper). *Lecture Notes*

in *Computer Science*, 1550:154–157, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1550/15500154.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1550/15500154.pdf>.

**Christianson:1999:DSCb**

- [202] Bruce Christianson. Delegation and not-so smart card (transcript of discussion). *Lecture Notes in Computer Science*, 1550:158–167, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1550/15500158.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1550/15500158.pdf>.

**Roe:1999:CDT**

- [203] Michael Roe. Certification and delegation (transcript of discussion). *Lecture Notes in Computer Science*, 1550:168–176, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1550/15500168.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1550/15500168.pdf>.

**Gligor:1999:DSD**

- [204] Virgil D. Gligor, Peter Landrock, Mark Lomas, Raphael Yahalom, and John Warne. Discussion session: Differences between academic and commercial security. *Lecture Notes*

in *Computer Science*, 1550:177–192, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1550/15500177.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1550/15500177.pdf>.

**Yahalom:1999:OTRa**

- [205] Raphael Yahalom. Optimistic trust with realistic eNvestigators (position paper). *Lecture Notes in Computer Science*, 1550:193–202, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1550/15500193.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1550/15500193.pdf>.

**Yahalom:1999:OTRb**

- [206] Raphael Yahalom. Optimistic trust with realistic eNvestigators (transcript of discussion). *Lecture Notes in Computer Science*, 1550:203–212, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1550/15500203.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1550/15500203.pdf>.

**Gollmann:1999:IFP**

- [207] Dieter Gollmann. Insider fraud (position paper). *Lecture Notes in Computer Science*, 1550:213–219, 1999. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1550/15500213.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1550/15500213.pdf>.

**Gollmann:1999:IFT**

- [208] Dieter Gollmann. Insider fraud (transcript of discussion). *Lecture Notes in Computer Science*, 1550:220–226, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1550/15500220.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1550/15500220.pdf>.

**Lee:1999:PSF**

- [209] Stewart Lee, Joan Feigenbaum, Virgil D. Gligor, and Bruce Christianson. Panel session — future directions. *Lecture Notes in Computer Science*, 1550:227–240, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1550/15500227.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1550/15500227.pdf>.

**Anonymous:1999:IC**

- [210] Anonymous. Index of contributors. *Lecture Notes in Computer Science*, 1550:241–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link>.

springer-ny.com/link/service/series/0558/papers/1550/15500241.pdf.

**Anonymous:1999:C**

- [211] Anonymous. Contents. *Lecture Notes in Computer Science*, 1550: vii, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/papers/1550/15500VII.pdf>.

**Anonymous:1999:P**

- [212] Anonymous. Preface. *Lecture Notes in Computer Science*, 1550: v, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/papers/1550/1550000V.pdf>.

**Moss:1999:ABF**

- [213] Graeme E. Moss and Colin Runciman. Automated benchmarking of functional data structures. *Lecture Notes in Computer Science*, 1551:1–15, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1551/15510001.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1551/15510001.pdf>.

**Cadoli:1999:NSE**

- [214] Marco Cadoli, Luigi Palopoli, Andrea Schaerf, and Domenico Vasile. NP — SPEC: An executable specification language for solving all problems in NP. *Lecture Notes in Computer Science*, 1551:16–30, 1999. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1551/15510016.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1551/15510016.pdf>.

**Letelier:1999:PRS**

- [215] Patricio Letelier, Pedro Sánchez, and Isidro Ramos. Prototyping a requirements specification through an automatically generated concurrent logic program. *Lecture Notes in Computer Science*, 1551:31–45, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1551/15510031.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1551/15510031.pdf>.

**Bozzano:1999:MAS**

- [216] Marco Bozzano, Giorgio Delzanno, Maurizio Martelli, Viviana Mascardi, and Floriano Zini. Multi-agent systems development as a software engineering enterprise. *Lecture Notes in Computer Science*, 1551:46–60, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1551/15510046.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1551/15510046.pdf>.

**Elliott:1999:FAS**

- [217] Conal Elliott. From functional animation to sprite-based display. *Lecture*

*Notes in Computer Science*, 1551:61–75, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1551/15510061.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1551/15510061.pdf>.

**Kahl:1999:BPP**

- [218] Wolfram Kahl. Beyond pretty-printing: Galley concepts in document formatting combinators. *Lecture Notes in Computer Science*, 1551:76–90, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1551/15510076.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1551/15510076.pdf>.

**Peterson:1999:LMC**

- [219] John Peterson, Paul Hudak, and Conal Elliott. Lambda in motion: Controlling robots with Haskell. *Lecture Notes in Computer Science*, 1551:91–105, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1551/15510091.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1551/15510091.pdf>.

**Demoen:1999:CCH**

- [220] Bart Demoen and Konstantinos Sagonas. CHAT: The copy-hybrid approach to tabling. *Lecture Notes in Computer Science*, 1551:106–121,

1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1551/15510106.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1551/15510106.pdf>.

**Silva:1999:IPC**

- [221] M. G. Silva, I. C. Dutra, R. Bianchini, and V. Santos Costa. The influence of parallel computer architectural parameters on the performance of parallel logic programming systems. *Lecture Notes in Computer Science*, 1551:122–136, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Silva:1999:IAP**

- [222] Marcio G. Silva, Inês C. Dutra, Ricardo Bianchini, and Vítor Santos Costa. The influence of architectural parameters on the performance of parallel logic programming systems. *Lecture Notes in Computer Science*, 1551:122–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1551/15510122.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1551/15510122.pdf>.

**Rocha:1999:PWT**

- [223] Ricardo Rocha, Fernando Silva, and Vítor Santos Costa. Or-parallelism within tabling. *Lecture Notes in Computer Science*, 1551:137–151, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (elec-

tronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1551/15510137.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1551/15510137.pdf>.

**Mattsson:1999:MDR**

- [224] Håkan Mattsson, Hans Nilsson, and Claes Wikström. Mnesia — A distributed robust DBMS for telecommunications applications. *Lecture Notes in Computer Science*, 1551:152–163, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1551/15510152.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1551/15510152.pdf>.

**Siddabathuni:1999:ABI**

- [225] Babu Siddabathuni, Suzanne W. Dietrich, and Susan D. Urban. An AQUA-based intermediate language for evaluating an active deductive object-oriented language. *Lecture Notes in Computer Science*, 1551:164–178, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1551/15510164.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1551/15510164.pdf>.

**Hakli:1999:IDS**

- [226] Raul Hakli, Matti Nykänen, Hellis Tamm, and Esko Ukkonen. Implementing a declarative string query language with string restructuring. *Lecture*

*Notes in Computer Science*, 1551:179–195, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1551/15510179.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1551/15510179.pdf>.

**Meijer:1999:CSW**

- [227] Erik Meijer, Daan Leijen, and James Hook. Client-side Web scripting with HaskellScript. *Lecture Notes in Computer Science*, 1551:196–210, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1551/15510196.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1551/15510196.pdf>.

**Jeffery:1999:MCB**

- [228] David Jeffery, Tyson Dowd, and Zoltan Somogyi. MCBORBA: A CORBA binding for mercury. *Lecture Notes in Computer Science*, 1551:211–227, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1551/15510211.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1551/15510211.pdf>.

**Xi:1999:DCE**

- [229] Hongwei Xi. Dead code elimination through dependent types. *Lecture Notes in Computer Science*, 1551:228–242, 1999. CODEN LNCS9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1551/15510228.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1551/15510228.pdf>.

**Ferriera:1999:MSW**

- [230] M. Ferriera and L. Damas. Multiple specialization of WAM code. *Lecture Notes in Computer Science*, 1551:243–258, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ferreira:1999:MSW**

- [231] Michel Ferreira and Luís Damas. Multiple specialization of WAM code. *Lecture Notes in Computer Science*, 1551:243–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1551/15510243.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1551/15510243.pdf>.

**Vasconcelos:1999:FFD**

- [232] Wamberto Weber Vasconcelos. A flexible framework for dynamic and static slicing of logic programs. *Lecture Notes in Computer Science*, 1551:259–274, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1551/15510259.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1551/15510259.pdf>.

**Bansal:1999:ALP**

- [233] Arvind K. Bansal and Peer Bork. Applying logic programming to derive novel functional information of genomes. *Lecture Notes in Computer Science*, 1551:275–289, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1551/15510275.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1551/15510275.pdf>.

**Watson:1999:AAT**

- [234] Richard Watson. An application of action theory to the space shuttle. *Lecture Notes in Computer Science*, 1551:290–304, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1551/15510290.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1551/15510290.pdf>.

**Soininen:1999:DDR**

- [235] Timo Soininen and Ilkka Niemelä. Developing a declarative rule language for applications in product configuration. *Lecture Notes in Computer Science*, 1551:305–319, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1551/15510305.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1551/15510305.pdf>.

**Goltz:1999:UTU**

- [236] Hans-Joachim Goltz and Dirk Matzke. University timetabling using constraint logic programming. *Lecture Notes in Computer Science*, 1551:320–334, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1551/15510320.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1551/15510320.pdf>.

**Carlsson:1999:CBR**

- [237] Mats Carlsson, Per Kreuger, and Emil Åström. Constraint-based resource allocation and scheduling in steel manufacturing. *Lecture Notes in Computer Science*, 1551:335–349, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1551/15510335.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1551/15510335.pdf>.

**Lai:1999:UCL**

- [238] Claude Lai. Using constraints in local proofs for CLP debugging. *Lecture Notes in Computer Science*, 1551:350–359, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1551/15510350.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1551/15510350.pdf>.

**Laie:1999:UCL**

- [239] C. Laie. Using constraints in local proofs for CLP debugging. *Lecture Notes in Computer Science*, 1551:350–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schmidt:1999:RER**

- [240] David A. Schmidt. A return to elegance: The reapplication of declarative notation to software design. *Lecture Notes in Computer Science*, 1551:360–364, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1551/15510360.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1551/15510360.pdf>.

**Wallace:1999:EDS**

- [241] Mark Wallace and Joachim Schimpf. ECLiPSe: Declarative specification and scaleable implementation. *Lecture Notes in Computer Science*, 1551:365–366, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1551/15510365.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1551/15510365.pdf>.

**Mouaddib:1999:FAO**

- [242] N. Mouaddib and G. Raschia. A fuzzy attribute-oriented induction method for knowledge discovery in relational databases. *Lecture Notes in Computer Science*, 1552:1–13, 1999. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Goh:1999:FMM**

- [243] C.-L. Goh, M. Tsukamoto, and S. Nishio. Fast methods with magic sampling for knowledge discovery in deductive databases with large deduction results. *Lecture Notes in Computer Science*, 1552:14–28, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Huang:1999:HMC**

- [244] Ceil Chua Eng Huang, R. H. L. Chiang, and E.-P. Lim. A heuristic method for correlating attribute group pairs in data mining. *Lecture Notes in Computer Science*, 1552:29–40, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Abraham:1999:IMM**

- [245] T. Abraham and J. F. Roddick. Incremental meta-mining from large temporal data sets. *Lecture Notes in Computer Science*, 1552:41–54, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Choenni:1999:SGB**

- [246] S. Choenni. On the suitability of genetic-based algorithms for data mining. *Lecture Notes in Computer Science*, 1552:55–67, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bhowmick:1999:DVW**

- [247] S. S. Bhowmick, S. K. Madria, W.-K. Ng, and E.-P. Lim. Data visualization in a Web warehouse. *Lecture Notes in Computer Science*, 1552:68–80, 1999.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Samtani:1999:RAR**

- [248] S. Samtani, M. Mohania, V. Kumar, and Y. Kambayashi. Recent advances and research problems in data warehousing. *Lecture Notes in Computer Science*, 1552:81–92, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bhowmick:1999:WWD**

- [249] S. S. Bhowmick, S. K. Madria, W.-K. Ng, and E.-P. Lim. Web warehousing: Design and issues. *Lecture Notes in Computer Science*, 1552:93–104, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sapia:1999:ERM**

- [250] C. Sapia, M. Blaschka, G. Hoefling, and B. Dinter. Extending the E/R model for the multidimensional paradigm. *Lecture Notes in Computer Science*, 1552:105–116, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Stumme:1999:NAD**

- [251] G. Stumme and K. E. Wolff. Numerical aspects in the data model of conceptual information systems. *Lecture Notes in Computer Science*, 1552:117–128, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dekeyser:1999:NDC**

- [252] S. Dekeyser, B. Kuijpers, J. Paredaens, and J. Wijsen. Nested data cubes for OLAP. *Lecture Notes in Computer Science*, 1552:129–140, 1999. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Roddick:1999:DWD**

- [253] J. F. Roddick. Data warehousing and data mining — are we working on the right things? *Lecture Notes in Computer Science*, 1552:141–144, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Estrella:1999:DED**

- [254] F. Estrella, Z. Kovacs, J.-M. Le Goff, and R. McClatchey. The design of an engineering data warehouse based on meta-object structures. *Lecture Notes in Computer Science*, 1552:145–156, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kim:1999:TVC**

- [255] H. Kim and S. Park. Two version concurrency control algorithm with query locking for decision support. *Lecture Notes in Computer Science*, 1552:157–168, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hoewon:1999:TVC**

- [256] K. Hoewon and P. Seog. Two version concurrency control algorithm with query locking for decision support. *Lecture Notes in Computer Science*, 1552:157–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ling:1999:EVM**

- [257] Tok Wang Ling and Y. Liu. An efficient view maintenance algorithm for data warehousing. *Lecture Notes in Computer Science*, 1552:169–180, 1999.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cuce:1999:ACV**

- [258] S. Cuce and A. Zaslavsky. Adaptive cache validation for mobile file systems. *Lecture Notes in Computer Science*, 1552:181–192, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lam:1999:BSM**

- [259] K.-Y. Lam, E. Chan, and J. Chun-Hung Yuen. Broadcast strategies to maintain cached data for mobile computing system. *Lecture Notes in Computer Science*, 1552:193–204, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gaedke:1999:WCD**

- [260] M. Gaedke, M. Beigl, H.-W. Gellersen, and C. Segor. Web content delivery to heterogeneous mobile platforms. *Lecture Notes in Computer Science*, 1552:205–217, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hu:1999:DDD**

- [261] Q. Hu, Dik Lun Lee, and W.-C. Lee. Dynamic data delivery in wireless communication environments. *Lecture Notes in Computer Science*, 1552:218–229, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Qinglong:1999:DDD**

- [262] H. Qinglong, Dik Lun Lee, and W.-C. Lee. Dynamic data delivery in wireless communication environments. *Lecture Notes in Computer Science*, 1552:

218–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pitoura:1999:SIB**

- [263] E. Pitoura. Scalable invalidation-based processing of queries in broadcast push delivery. *Lecture Notes in Computer Science*, 1552:230–241, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Madria:1999:TDR**

- [264] S. K. Madria. Timestamps to detect R-W conflicts in mobile computing. *Lecture Notes in Computer Science*, 1552:242–253, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Guy:1999:RMD**

- [265] R. Guy, P. Reiher, D. Rather, and M. Gunter. Rumor: Mobile data access through optimistic peer-to-peer replication. *Lecture Notes in Computer Science*, 1552:254–265, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tagashira:1999:CUM**

- [266] S. Tagashira, K. Saisho, F. Inada, and A. Fukuda. A copy update mechanism for a mobile information announcement system — transmitting non-storage type resources with redundancy. *Lecture Notes in Computer Science*, 1552:266–277, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hwang:1999:TOR**

- [267] S.-Y. Hwang and J.-K. Chiu. Towards optimal replication for hierar-

chical location management in wireless systems. *Lecture Notes in Computer Science*, 1552:278–289, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pillai:1999:DCM**

- [268] R. Radhakrishna Pillai, M. Rangnath, R. Agrawal, and W. Wang. Distributed control of mobile ATM networks using CORBA. *Lecture Notes in Computer Science*, 1552:290–300, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cameron:1999:NTE**

- [269] F. Cameron, M. Zukerman, and M. Gitlits. New thoughts on effects of TCP slow start and FEC coding in WATM access networks. *Lecture Notes in Computer Science*, 1552:301–310, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Verroca:1999:CCD**

- [270] F. Verroca, C. Eynard, G. Ghinamo, and G. Gentile. A centralised cellular database to support network management process. *Lecture Notes in Computer Science*, 1552:311–322, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jacobs:1999:SCM**

- [271] S. Jacobs. Security of current mobile IP solutions. *Lecture Notes in Computer Science*, 1552:323–334, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wu:1999:ADF**

- [272] S.-Y. Wu and C.-S. Chang. An active database framework for adaptive

mobile data access. *Lecture Notes in Computer Science*, 1552:335–346, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Leung:1999:DIM**

- [273] C.-H. Leung, K.-M. Cheung, and T.-F. Ngai. Design and implementation of a mobile application support system. *Lecture Notes in Computer Science*, 1552:347–357, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Soutou:1999:PIS**

- [274] C. Soutou, T. Val, F. Peyrard, and J.-J. Mercier. Proposition of an identification service on a hybrid WLAN with mobiles stations. *Lecture Notes in Computer Science*, 1552:358–367, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hamano:1999:DNS**

- [275] T. Hamano, H. Takakura, and Y. Kambayashi. A dynamic navigation system based on user’s geographical situation. *Lecture Notes in Computer Science*, 1552:368–379, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lee:1999:FMC**

- [276] W.-C. Lee. Future of mobile computing: Convergence of research and applications. *Lecture Notes in Computer Science*, 1552:380–381, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Thamm:1999:WSC**

- [277] J. Thamm, S. Wilke, and L. Wegner. A Web solution to concurrency awareness

in shared data spaces. *Lecture Notes in Computer Science*, 1552:382–395, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Inoue:1999:SMM**

- [278] S. Inoue and M. Iwaihara. Structured message management for group interaction. *Lecture Notes in Computer Science*, 1552:396–407, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tarumi:1999:GAD**

- [279] H. Tarumi, T. Matsuyama, and Y. Kambayashi. Group activity database for groupware evolution. *Lecture Notes in Computer Science*, 1552:408–420, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Furukawa:1999:SCW**

- [280] T. Furukawa, H. Xu, and Y. Shi. Supporting collaborative work by process-based transaction model. *Lecture Notes in Computer Science*, 1552:421–433, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sadakane:1999:CDT**

- [281] K. Sadakane and H. Imai. A cooperative distributed text database management method unifying search and compression based on the Burrows–Wheeler transformation. *Lecture Notes in Computer Science*, 1552:434–445, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kato:1999:CSD**

- [282] H. Kato and M. Yoshikawa. Constructing structured document views (short

paper). *Lecture Notes in Computer Science*, 1552:446–453, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Erwig:1999:TOS**

- [283] M. Erwig, M. Schneider, and R. H. Gueting. Temporal objects for spatio-temporal data models and a comparison of their representations. *Lecture Notes in Computer Science*, 1552:454–465, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Renolen:1999:TST**

- [284] A. Renolen. The temporal set-theory, topology, and their application in spatiotemporal modelling (short paper). *Lecture Notes in Computer Science*, 1552:466–473, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ishii:1999:TES**

- [285] Y. Ishii, T. Ishizaka, N. Mohan, and J. Feng. TimeCube: Efficient storage, access and analysis of temporal (historical) data (short paper). *Lecture Notes in Computer Science*, 1552:474–483, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nishida:1999:PST**

- [286] S. Nishida, H. Nozawa, and N. Saiwaki. Proposal of spatial-temporal indexing methods for moving objects. *Lecture Notes in Computer Science*, 1552:484–495, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nakamura:1999:STD**

- [287] Y. Nakamura, H. Dekihara, and R. Furukawa. Spatio-temporal data management for moving objects using the PMD-tree. *Lecture Notes in Computer Science*, 1552:496–507, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wang:1999:ISB**

- [288] B. Wang, H. Horinokuchi, S. Kuroki, and K. Kaneko. Implementing Sequoia 2000 benchmark on Shusse-Uo and its performance. *Lecture Notes in Computer Science*, 1552:508–519, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Horinokuchi:1999:SQP**

- [289] H. Horinokuchi, B. Wang, S. Kuroki, and A. Makinouchi. A spatiotemporal query processor based on simplicial representation. *Lecture Notes in Computer Science*, 1552:520–531, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Amagasa:1999:ICL**

- [290] T. Amagasa, M. Aritsugi, T. Tanaka, and Y. Kanamori. Implementing class library and index for managing spatio-temporal data (short paper). *Lecture Notes in Computer Science*, 1552:532–541, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ohsawa:1999:SDM**

- [291] Y. Ohsawa and K. Kim. A spatiotemporal data management method using inverse differential script. *Lecture Notes in Computer Science*, 1552:542–553,

1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Salev:1999:EES**

- [292] K. Salev, T. Tomii, and H. Ari-sawa. Extracting event semantics from video data based on real world database. *Lecture Notes in Computer Science*, 1552:554–567, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ryu:1999:SMV**

- [293] E. Ryu, Y. Kim, M.-Y. Lee, and K. Lee. Structured modeling for video databases. *Lecture Notes in Computer Science*, 1552:568–579, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nitsuwat:1999:AUF**

- [294] S. Nitsuwat and J. S. Jin. Applying unsupervised fuzzy C-prototypes clustering in motion-based segmentation (short paper). *Lecture Notes in Computer Science*, 1552:580–590, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Carolos:1999:VSB**

- [295] R. P. Carolos and K. Uehara. Video summarization based on semantic representation. *Lecture Notes in Computer Science*, 1554:1–16, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Carlos:1999:VSB**

- [296] Rafael Paulin Carlos and Kuniaki Uehara. Video summarization based on semantic representation. *Lecture Notes in Computer Science*, 1554:1–??, 1999. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1554/15540001.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1554/15540001.pdf>.

**Niikura:1999:VAO**

- [297] Yasuhiro Niikura, Yukinobu Taniguchi, Akihito Akutsu, and Yoshinobu Tonomura. Valbum: Album-oriented video storyboard for editing and viewing video. *Lecture Notes in Computer Science*, 1554:17–29, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1554/15540017.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1554/15540017.pdf>.

**Fuchs:1999:BDM**

- [298] Henry Fuchs. Beyond the desktop metaphor: Toward more effective display, interaction, and telecollaboration in the office of the future via a multitude of sensors and displays (invited paper). *Lecture Notes in Computer Science*, 1554:30–43, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1554/15540030.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1554/15540030.pdf>.

**Sato:1999:MEI**

- [299] Imari Sato, Yoichi Sato, and Kat-

sushi Ikeuchi. A method for estimating illumination distribution of a real scene based on soft shadows. *Lecture Notes in Computer Science*, 1554:44–58, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1554/15540044.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1554/15540044.pdf>.

**Tsukamoto:1999:IRS**

- [300] Masahiko Tsukamoto. Integrating real space and virtual space in the ‘invisible person’ communication support system. *Lecture Notes in Computer Science*, 1554:59–74, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1554/15540059.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1554/15540059.pdf>.

**Ariki:1999:NDA**

- [301] Yasuo Ariki, Jun Ogata, and Masafumi Nishida. News dictation and article classification using automatically extracted announcer utterance. *Lecture Notes in Computer Science*, 1554:75–86, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1554/15540075.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1554/15540075.pdf>.

**Ide:1999:AVI**

- [302] Ichiro Ide, Koji Yamamoto, and Hidehiko Tanaka. Automatic video indexing based on shot classification. *Lecture Notes in Computer Science*, 1554:87–102, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1554/15540087.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1554/15540087.pdf>.

**Endo:1999:MSR**

- [303] Takashi Endo, JianXin Zhang, Masakyuki Nakazawa, and Ryuichi Oka. Mutual spotting retrieval between speech and video image using self-organized network databases. *Lecture Notes in Computer Science*, 1554:103–118, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1554/15540103.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1554/15540103.pdf>.

**Apers:1999:CBR**

- [304] Peter Apers and Martin Kersten. Content-based retrieval in multimedia databases based on feature models (invited paper). *Lecture Notes in Computer Science*, 1554:119–130, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1554/15540119.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1554/15540119.pdf>.

series/0558/papers/1554/15540119.pdf.

**Yoo:1999:EIS**

- [305] Jae Soo Yoo, Myung Keun Shin, Seok Hee Lee, Kil Seong Choi, Ki Hyung Cho, and Dae Young Hur. An efficient index structure for high dimensional image data. *Lecture Notes in Computer Science*, 1554:131–144, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1554/15540131.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1554/15540131.pdf>.

**Chua:1999:CBP**

- [306] Tat-Seng Chua and Chun-Xin Chu. Color-based pseudo object model for image retrieval with relevance feedback. *Lecture Notes in Computer Science*, 1554:145–160, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1554/15540145.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1554/15540145.pdf>.

**Fels:1999:IFP**

- [307] Sidney Fels and Kenji Mase. InvenTel: A fast prototyping environment for 3D graphics and multimedia applications. *Lecture Notes in Computer Science*, 1554:161–176, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/>

[bibs/1554/15540161.htm](http://link.springer-ny.com/link/service/series/0558/papers/1554/15540161.htm); <http://link.springer-ny.com/link/service/series/0558/papers/1554/15540161.pdf>.

**Wedlake:1999:NDV**

- [308] Martine Wedlake, Kin F. Li, and Fayez El Guibaly. The NAVL distributed virtual reality system. *Lecture Notes in Computer Science*, 1554:177–193, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1554/15540177.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1554/15540177.pdf>.

**Aksoy:1999:RDB**

- [309] Demet Aksoy, Mehmet Altinel, Rahul Bose, Ugur Cetintemel, Michael Franklin, Jane Wang, and Stan Zdonik. Research in data broadcast and dissemination (invited paper). *Lecture Notes in Computer Science*, 1554:194–207, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1554/15540194.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1554/15540194.pdf>.

**Watanabe:1999:MDS**

- [310] Yasuhiko Watanabe, Yoshihiro Okada, Kengo Kaneji, and Yoshitaka Sakamoto. Multimedia database system for TV newscasts and newspapers. *Lecture Notes in Computer Science*, 1554:208–220, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (elec-

tronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1554/15540208.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1554/15540208.pdf>; <http://link.springer-ny.com/link/service/series/0558/papers/1554/15540208s.pdf>.

**Kamahara:1999:TNR**

- [311] Junzo Kamahara, Yuji Nomura, Kazunori Ueda, Keishi Kandori, Shinji Shimojo, and Hideo Miyahara. A TV news recommendation system with automatic recomposition. *Lecture Notes in Computer Science*, 1554:221–235, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1554/15540221.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1554/15540221.pdf>.

**Nabeshima:1999:EDV**

- [312] Shinji Nabeshima, Kazuo Okamura, Takashi Kakiuchi, Kazutoshi Sumiya, Naoya Takao, and Yoshiyuki Miyabe. Extended digital video broadcasting with time-lined hypermedia. *Lecture Notes in Computer Science*, 1554:236–251, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1554/15540236.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1554/15540236.pdf>.

**Matsuyama:1999:AIC**

- [313] Takashi Matsuyama, Toshikazu Wada,

and Shogo Tokai. Active image capturing and dynamic scene visualization by cooperative distributed vision (invited paper). *Lecture Notes in Computer Science*, 1554:252–288, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1554/15540252.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1554/15540252.pdf>; <http://link.springer-ny.com/link/service/series/0558/papers/1554/15540252s.pdf>.

**Nishimura:1999:VNS**

- [314] Go Nishimura, Tamio Kihara, and Ryoji Kataoka. *Videoplex*: A new system framework for constructing video-based three-dimensional space. *Lecture Notes in Computer Science*, 1554:289–300, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1554/15540289.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1554/15540289.pdf>.

**Zhang:1999:CVE**

- [315] Xiaohua Zhang, Hiroki Takahashi, and Masayuki Nakajima. Construction of virtual environment from video data with forward motion. *Lecture Notes in Computer Science*, 1554:301–312, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1554/15540301.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1554/15540301.pdf>.

series/0558/papers/1554/15540301.pdf.

**Arikawa:1999:SBV**

- [316] Masatoshi Arikawa and Tetsu Kamiyama. Spatial browsing for video databases. *Lecture Notes in Computer Science*, 1554:313–327, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1554/15540313.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1554/15540313.pdf>.

**Prie:1999:ASU**

- [317] Yannick Prié, Alain Mille, and Jean-Marie Pinon. AI-STRATA: A user-centered model for content-based description and retrieval of audiovisual sequences. *Lecture Notes in Computer Science*, 1554:328–343, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1554/15540328.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1554/15540328.pdf>.

**Katayama:1999:UAH**

- [318] Kaoru Katayama, Osami Kagawa, Yasuhiro Kamiya, Hideki Tsushima, Takuya Yoshihiro, and Yahiko Kambayashi. Use of action history views for indexing continuous media objects. *Lecture Notes in Computer Science*, 1554:344–355, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer-](http://link.springer-ny.com/link/service/series/0558/papers/1554/15540301.pdf)

[ny.com/link/service/series/0558/bibs/1554/15540344.htm](http://link.springer-ny.com/link/service/series/0558/bibs/1554/15540344.htm); <http://link.springer-ny.com/link/service/series/0558/papers/1554/15540344.pdf>.

**Zettsu:1999:SSV**

- [319] Koji Zettsu, Kuniaki Uehara, and Katsumi Tanaka. Semantic structures for video data indexing. *Lecture Notes in Computer Science*, 1554:356–369, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1554/15540356.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1554/15540356.pdf>.

**Imai:1999:SEC**

- [320] Michita Imai and Tsutomu Miyasato. A study of emergent computation of life-like behavior by indefinite observation. *Lecture Notes in Computer Science*, 1554:370–385, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1554/15540370.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1554/15540370.pdf>.

**Masaki:1999:IDF**

- [321] Toshihiro Masaki, Tetsuya Yamaguchi, and Yoshifumi Kitamura. An interactive digital fishtank based on live video images. *Lecture Notes in Computer Science*, 1554:386–396, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (elec-

tronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1554/15540386.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1554/15540386.pdf>.

**Nakatsu:1999:CCI**

- [322] Ryohei Nakatsu. Contents creation for interactive media (invited paper). *Lecture Notes in Computer Science*, 1554:397–405, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1554/15540397.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1554/15540397.pdf>.

**Terzopoulos:1999:VMM**

- [323] Demetri Terzopoulos. Visual modeling for multimedia content (invited paper). *Lecture Notes in Computer Science*, 1554:406–421, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1554/15540406.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1554/15540406.pdf>.

**Saiwaki:1999:AGM**

- [324] Naoki Saiwaki, Toshiaki Komatsu, and Shogo Nishida. Automatic generation of moving crowds in the virtual environment. *Lecture Notes in Computer Science*, 1554:422–432, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (elec-

tronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1554/15540422.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1554/15540422.pdf>.

**Otsuka:1999:EFM**

- [325] Takahiro Otsuka and Jun Ohya. Extracting facial motion parameters by tracking feature points. *Lecture Notes in Computer Science*, 1554:433–444, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1554/15540433.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1554/15540433.pdf>; <http://link.springer-ny.com/link/service/series/0558/papers/1554/15540433s.pdf>.

**Meschkat:1999:IRV**

- [326] Steffen Meschkat. Immersion reconsidered: Virtual reality projects of art+com (invited talk). *Lecture Notes in Computer Science*, 1554:445–450, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1554/15540445.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1554/15540445.pdf>; <http://link.springer-ny.com/link/service/series/0558/papers/1554/15540445s.pdf>.

**Blumberg:1999:SCB**

- [327] Bruce M. Blumberg. Synthetic characters: Behaving in character (invited talk). *Lecture Notes*

in *Computer Science*, 1554:451–452, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1554/15540451.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1554/15540451.pdf>.

**Mora:1999:BMS**

- [328] M. Mora, J. Lopes, R. Viccari, and H. Coelho. BDI models and systems: Bridging the gap. *Lecture Notes in Computer Science*, 1555:11–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**VanEijk:1999:IPB**

- [329] R. Van Eijk, F. De Boer, W. Van Der Hoek, and J.-J. C. Meyer. Information-passing and belief revision in multi-agent systems. *Lecture Notes in Computer Science*, 1555:29–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schild:1999:RBB**

- [330] K. Schild. On the relationship between BDI logics and standard logics of concurrency. *Lecture Notes in Computer Science*, 1555:47–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wooldridge:1999:IRR**

- [331] M. Wooldridge and S. Parsons. Intention reconsideration reconsidered. *Lecture Notes in Computer Science*, 1555:63–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hunsberger:1999:MSP**

- [332] L. Hunsberger. Making shared plans more concise and easier to reason about. *Lecture Notes in Computer Science*, 1555:81–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Conte:1999:ANA**

- [333] R. Conte, C. Castelfranchi, and F. Dignum. Autonomous norm acceptance. *Lecture Notes in Computer Science*, 1555:99–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bazzan:1999:MSM**

- [334] A. Bazzan, R. Bordini, and J. Campbell. Moral sentiments in multi-agent systems. *Lecture Notes in Computer Science*, 1555:113–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ossowski:1999:SSA**

- [335] S. Ossowski and A. Garcia-Serrano. Social structure in artificial agent societies: Implications for autonomous problem-solving agents. *Lecture Notes in Computer Science*, 1555:133–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rustogi:1999:BEC**

- [336] S. Rustogi and M. Singh. The bases of effective coordination in decentralized multi-agent systems. *Lecture Notes in Computer Science*, 1555:149–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Benerecetti:1999:MCA**

- [337] M. Benerecetti, F. Giunchiglia, and L. Serafini. A model checking algorithm for multiagent systems. *Lecture Notes in Computer Science*, 1555:163–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Engelfriet:1999:CVM**

- [338] J. Engelfriet, C. Jonker, and J. Treur. Compositional verification of multi-agent systems in temporal multi-epistemic logic. *Lecture Notes in Computer Science*, 1555:177–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jung:1999:EMA**

- [339] C. Jung. Emergent mental attitudes in layered agents. *Lecture Notes in Computer Science*, 1555:195–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mueller:1999:RAA**

- [340] J. P. Mueller. The right agent (architecture) to do the right thing. *Lecture Notes in Computer Science*, 1555:211–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fisher:1999:RAA**

- [341] M. Fisher. Representing abstract agent architectures. *Lecture Notes in Computer Science*, 1555:227–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Piaggio:1999:HNH**

- [342] M. Piaggio. HEIR — A non hierarchical hybrid architecture for intelligent robots. *Lecture Notes in Computer Science*, 1555:243–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rachlin:1999:TAA**

- [343] J. Rachlin, R. Goodwin, S. Murthy, and R. Akkiraju. A-Teams: An agent architecture for optimization and decision support. *Lecture Notes in Computer Science*, 1555:261–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Shehory:1999:GSL**

- [344] O. Shehory, S. Kraus, and O. Yadgar. Goal satisfaction in large scale agent-systems: A transportation example. *Lecture Notes in Computer Science*, 1555:277–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Stone:1999:TDD**

- [345] P. Stone and M. Veloso. Task decomposition and dynamic role assignment for real-time strategic teamwork. *Lecture Notes in Computer Science*, 1555:293–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Meyer:1999:ALT**

- [346] J.-J. C. Meyer. Agent languages and their relationship to other programming paradigms. *Lecture Notes in Computer Science*, 1555:309–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Iglesias:1999:SAO**

- [347] C. Iglesias, M. Garrijo, and J. Gonzalez. A survey of agent-oriented methodologies. *Lecture Notes in Computer Science*, 1555:317–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kinny:1999:AAI**

- [348] D. Kinny. The Agentis agent interaction model. *Lecture Notes in Computer Science*, 1555:331–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Skarmeeas:1999:CBR**

- [349] N. Skarmeeas and K. Clark. Content-based routing as the basis for intra-agent communication. *Lecture Notes in Computer Science*, 1555:345–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chaib-Draa:1999:ACL**

- [350] B. Chaib-Draa and D. Vanderveken. Agent communication language: Toward a semantics based on success, satisfaction, and recursion. *Lecture Notes in Computer Science*, 1555:363–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hindriks:1999:CSR**

- [351] K. Hindriks, F. De Boer, W. Van Der Hoek, and J.-J. C. Meyer. Control structures of rule-based agent languages. *Lecture Notes in Computer Science*, 1555:381–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dury:1999:RAS**

- [352] A. Dury, F. Le Ber, and V. Chevrier. A reactive approach for solving constraint satisfaction problems. *Lecture Notes in Computer Science*, 1555:397–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Shehory:1999:IRU**

- [353] O. Shehory, K. Sycara, P. Chalasani, and S. Jha. Increasing resource utilization and task performance by agent cloning. *Lecture Notes in Computer Science*, 1555:413–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wooldridge:1999:CSV**

- [354] M. Wooldridge and J. P. Mueller. A classification schema to volumes I to 5 of the intelligent agents series. *Lecture Notes in Computer Science*, 1555:427–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Vaudenay:1999:FCD**

- [355] S. Vaudenay. Feistel ciphers with L2-decorrelation. *Lecture Notes in Computer Science*, 1556:1–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Harris:1999:KDB**

- [356] S. Harris and C. Adams. Key-dependent S-box manipulations. *Lecture Notes in Computer Science*, 1556:15–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schneier:1999:TKS**

- [357] B. Schneier, J. Kelsey, D. Whiting, and D. Wagner. On the Twofish key schedule. *Lecture Notes in Computer Science*, 1556:27–42, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chen:1999:TPS**

- [358] Z.-G. Chen and S. E. Tavares. Toward provable security of substitution-permutation encryption networks. *Lecture Notes in Computer Science*, 1556:43–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Coron:1999:AEM**

- [359] J.-S. Coron and D. Naccache. An accurate evaluation of Maurer’s universal test. *Lecture Notes in Computer Science*, 1556:57–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**MRaihi:1999:CAR**

- [360] D. M’Raihi, D. Naccache, D. Pointcheval, and S. Vaudenay. Computational alternatives to random number generators. *Lecture Notes in Computer Science*, 1556:72–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kaliski:1999:SEF**

- [361] B. S. Kaliski and Yiqun Lisa Yin. Storage-efficient finite field basis conversion. *Lecture Notes in Computer Science*, 1556:81–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wenbo:1999:VPS**

- [362] M. Wenbo. Verifiable partial sharing of integer factors. *Lecture Notes in Computer Science*, 1556:94–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Moriai:1999:HOD**

- [363] S. Moriai, T. Shimoyama, and T. Kaneko. Higher order differential attack using chosen higher order differences. *Lecture Notes in Computer Science*, 1556:106–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Aoki:1999:MNA**

- [364] K. Aoki. On maximum non-averaged differential probability. *Lecture Notes in Computer Science*, 1556:118–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mister:1999:CRL**

- [365] S. Mister and S. E. Tavares. Cryptanalysis of RC4-like ciphers. *Lecture Notes in Computer Science*, 1556:131–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Stinson:1999:KPT**

- [366] D. R. Stinson and R. Wei. Key preassigned traceability schemes for broadcast encryption. *Lecture Notes in Computer Science*, 1556:144–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jakobsson:1999:MBE**

- [367] M. Jakobsson and D. M’Raihi. Mix-based electronic payments. *Lecture*

*Notes in Computer Science*, 1556:157–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Patel:1999:ASP**

- [368] S. Patel. Over the air service provisioning. *Lecture Notes in Computer Science*, 1556:174–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wiener:1999:FAE**

- [369] M. J. Wiener and R. J. Zuccherato. Faster attacks on elliptic curve cryptosystems. *Lecture Notes in Computer Science*, 1556:190–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lopez:1999:IAE**

- [370] J. Lopez and R. Dahab. Improved algorithms for elliptic curve arithmetic in  $\text{GF}(2^n)$ . *Lecture Notes in Computer Science*, 1556:201–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nguyen:1999:CFP**

- [371] P. Nguyen and J. Stern. Cryptanalysis of a fast public key cryptosystem presented at SAC '97. *Lecture Notes in Computer Science*, 1556:213–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cai:1999:LBP**

- [372] J.-Y. Cai and T. W. Cusick. A lattice-based public-key cryptosystem. *Lecture Notes in Computer Science*, 1556:219–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kaps:1999:FIF**

- [373] J.-P. Kaps and C. Paar. Fast DES implementation for FPGAs and its application to a universal key-search machine. *Lecture Notes in Computer Science*, 1556:234–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lipmaa:1999:ICM**

- [374] H. Lipmaa. IDEA: A cipher for multimedia architectures? *Lecture Notes in Computer Science*, 1556:248–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kanda:1999:SCF**

- [375] M. Kanda, Y. Takashima, T. Matsumoto, and K. Aoki. A strategy for constructing fast round functions with practical security against differential and linear cryptanalysis. *Lecture Notes in Computer Science*, 1556:264–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zhang:1999:NBF**

- [376] X.-M. Zhang and Y. Zheng. The nonhomomorphicity of Boolean functions. *Lecture Notes in Computer Science*, 1556:280–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wagner:1999:CO**

- [377] D. Wagner, L. Simpson, E. Dawson, and J. Kelsey. Cryptanalysis of ORYX. *Lecture Notes in Computer Science*, 1556:296–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Handschuh:1999:TAR**

- [378] H. Handschuh and H. M. Heys. A timing attack on RC5. *Lecture Notes in Computer Science*, 1556:306–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hall:1999:CS**

- [379] C. Hall, J. Kelsey, V. Rijmen, and B. Schneier. Cryptanalysis of SPEED. *Lecture Notes in Computer Science*, 1556:319–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Blake-Wilson:1999:ADH**

- [380] S. Blake-Wilson and A. Menezes. Authenticated Diffie–Hellman key agreement protocols. *Lecture Notes in Computer Science*, 1556:339–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Biham:1999:IOS**

- [381] E. Biham, A. Biryukov, O. Dunkelman, and E. Richardson. Initial observations on Skipjack: Cryptanalysis of Skipjack-3XOR. *Lecture Notes in Computer Science*, 1556:362–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hossfeld:1999:TCC**

- [382] Friedel Hossfeld. Teraflops computing: A challenge to parallel numerics? *Lecture Notes in Computer Science*, 1557:1–12, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570001.htm>; <http://link.springer-ny.com/link/service/>

[series/0558/papers/1557/15570001.pdf](http://link.springer-ny.com/link/service/series/0558/papers/1557/15570001.pdf).

**Saad:1999:NSP**

- [383] Yousef Saad and Maria Sosonkina. Non-standard parallel solution strategies for distributed sparse linear systems. *Lecture Notes in Computer Science*, 1557:13–27, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570013.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570013.pdf>.

**Santos:1999:OTS**

- [384] Eunice E. Santos. Optimal tridiagonal solvers on mesh interconnection networks. *Lecture Notes in Computer Science*, 1557:28–37, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570028.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570028.pdf>.

**Asenjo:1999:PPL**

- [385] Rafael Asenjo and Emilio L. Zapata. Parallel pivots LU algorithm on the Cray T3E. *Lecture Notes in Computer Science*, 1557:38–47, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570038.htm>; <http://link.springer-ny.com/link/service/>

series/0558/papers/1557/15570038. pdf.

**Becka:1999:EPO**

- [386] Martin Becka, Sophie Robert, and Marian Vajtersic. Experiments with parallel one-sided and two-sided algorithms for SVD. *Lecture Notes in Computer Science*, 1557:48–57, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570048.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570048.pdf>.

**Oksa:1999:CSA**

- [387] Gabriel Oksa. Combined systolic array for matrix portrait computation. *Lecture Notes in Computer Science*, 1557:58–67, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570058.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570058.pdf>.

**Podhaisky:1999:CET**

- [388] Helmut Podhaisky and Rüdiger Weiner. A class of explicit two-step Runge–Kutta methods with enlarged stability regions for parallel computers. *Lecture Notes in Computer Science*, 1557:68–77, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570068.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570068.pdf>.

[/link.springer-ny.com/link/service/series/0558/papers/1557/15570068.pdf](http://link.springer-ny.com/link/service/series/0558/papers/1557/15570068.pdf).

**Halada:1999:PSI**

- [389] Ladislav Halada and Mária Lucká. A parallel strongly implicit algorithm for solving of diffusion equations. *Lecture Notes in Computer Science*, 1557:78–84, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570078.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570078.pdf>.

**Sarbazi-Azad:1999:PAL**

- [390] Hamid Sarbazi-Azad, Lewis M. Mackenzie, and Mohamed Ould-Khaoua. A parallel algorithm for Lagrange interpolation on  $k$ -ary  $n$ -cubes. *Lecture Notes in Computer Science*, 1557:85–95, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570085.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570085.pdf>.

**Schmid:1999:PQM**

- [391] Wolfgang Ch. Schmid and Andreas Uhl. Parallel quasi-Monte Carlo integration using  $(t, s)$ -sequences. *Lecture Notes in Computer Science*, 1557:96–106, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570096.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570096.pdf>.

/link.springer-ny.com/link/service/series/0558/papers/1557/15570096.pdf.

**Entacher:1999:PRN**

- [392] Karl Entacher, Andreas Uhl, and Stefan Wegenkittl. Parallel random number generation: Long-range correlations among multiple processors. *Lecture Notes in Computer Science*, 1557:107–116, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570107.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570107.pdf>.

**Hausenblas:1999:MCM**

- [393] Erika Hausenblas. A Monte-Carlo method with inherent parallelism for numerical solving partial differential equations with boundary conditions. *Lecture Notes in Computer Science*, 1557:117–126, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570117.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570117.pdf>.

**Gansterer:1999:BTN**

- [394] Wilfried N. Gansterer, Dieter F. Kvasnicka, and Christoph W. Ueberhuber. Blocking techniques in numerical software. *Lecture Notes in Computer Science*, 1557:127–139, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (elec-

tronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570127.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570127.pdf>.

**Ehold:1999:HNL**

- [395] Harald J. Ehold, Wilfried N. Gansterer, Dieter F. Kvasnicka, and Christoph W. Ueberhuber. HPF and numerical libraries. *Lecture Notes in Computer Science*, 1557:140–152, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570140.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570140.pdf>.

**Delaplace:1999:POL**

- [396] Franck Delaplace and Didier Remy. PARADEIS: An object library for parallel sparse array computation. *Lecture Notes in Computer Science*, 1557:153–162, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570153.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570153.pdf>.

**Hoefinger:1999:PAD**

- [397] S. Hoefinger, O. Steinhauser, and P. Zinterhof. Performance analysis and derived parallelization strategy for a SCF program at the Hartree Fock level. *Lecture Notes in Computer Science*, 1557:163–172, 1999. CODEN

LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hofinger:1999:PAD**

- [398] Siegfried Höfing, Othmar Steinhäuser, and Peter Zinterhof. Performance analysis and derived parallelization strategy for a SCF program at the Hartree Fock level. *Lecture Notes in Computer Science*, 1557:163–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570163.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570163.pdf>.

**Fontdecaba:1999:CIO**

- [399] Enric Fontdecaba, José M. Cela, and Juan C. Dürsteler. Computational issues in optimizing ophthalmic lens. *Lecture Notes in Computer Science*, 1557:173–182, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570173.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570173.pdf>.

**Wyrzykowski:1999:PFE**

- [400] Roman Wyrzykowski, Norbert Sczygiol, Tomasz Olas, and Juri Kanevski. Parallel finite element modeling of solidification processes. *Lecture Notes in Computer Science*, 1557:183–195, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570183.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570183.pdf>.

<http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570183.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570183.pdf>.

**Panchanathan:1999:AAM**

- [401] Sethuraman Panchanathan. Architectural approaches for multimedia processing. *Lecture Notes in Computer Science*, 1557:196–210, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570196.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570196.pdf>.

**Pissaloux:1999:PRA**

- [402] Edwige Pissaloux. On parallel reconfigurable architectures for image processing. *Lecture Notes in Computer Science*, 1557:211–225, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570211.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570211.pdf>.

**Moga:1999:PMI**

- [403] Alina N. Moga. Parallel multiresolution image segmentation with watershed transformation. *Lecture Notes in Computer Science*, 1557:226–235, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570226.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570226.pdf>.

bibs/1557/15570226.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570226.pdf>.

**Chung:1999:SII**

- [404] Yongwha Chung and Jin-Won Park. Solving irregular inter-processor data dependency in image understanding tasks. *Lecture Notes in Computer Science*, 1557:236–245, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570236.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570236.pdf>.

**Verians:1999:NPM**

- [405] Xavier Verians, Jean-Didier Legat, Jean-Jacques Quisquater, and Benoit Macq. A new parallelism management scheme for multiprocessor systems. *Lecture Notes in Computer Science*, 1557:246–256, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570246.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570246.pdf>.

**Xu:1999:FVP**

- [406] Donglai Xu and Reza Sotudeh. A flexible VLSI parallel processing system for block-matching motion estimation in low bit-rate video coding applications. *Lecture Notes in Computer Science*, 1557:257–264, 1999. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570257.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570257.pdf>.

**Konstantopoulos:1999:HBM**

- [407] Charalampos Konstantopoulos, Andreas Svoulos, and Christos Kaklamanis. Hierarchical block matching motion estimation on a hypercube multiprocessor. *Lecture Notes in Computer Science*, 1557:265–275, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570265.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570265.pdf>.

**Haemmerle:1999:CBS**

- [408] J. Haemmerle and A. Uhl. Classification based speed-up methods for fractal image compression on multicomputers. *Lecture Notes in Computer Science*, 1557:276–285, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hammerle:1999:CBS**

- [409] Jutta Hämmerle and Andreas Uhl. Classification based speed-up methods for fractal image compression on multicomputers. *Lecture Notes in Computer Science*, 1557:276–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/>

bibs/1557/15570276.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570276.pdf>.

**Gatineau:1999:AME**

- [410] Laurent Gatineau and François Meunier. Accurate motion estimation in image sequences: Massive vs. distributed parallelism. *Lecture Notes in Computer Science*, 1557:286–295, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570286.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570286.pdf>.

**Arita:1999:RTD**

- [411] Daisaku Arita, Yoshio Hamada, and Rin ichiro Taniguchi. A real-time distributed video image processing system on PC-cluster. *Lecture Notes in Computer Science*, 1557:296–305, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570296.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570296.pdf>.

**He:1999:MSM**

- [412] Yong He, Ishfaq Ahmad, and Ming L. Liou. Modeling and scheduling for MPEG-4 based video encoder using a cluster of workstations. *Lecture Notes in Computer Science*, 1557:306–316, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (elec-

tronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570306.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570306.pdf>.

**Pommer:1999:FVC**

- [413] Andreas Pommer. Fractal video compression on shared memory systems. *Lecture Notes in Computer Science*, 1557:317–326, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570317.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570317.pdf>.

**DePietro:1999:SPA**

- [414] G. De Pietro and M. Lerro. The split-proxy approach: A new architecture for parallel video servers. *Lecture Notes in Computer Science*, 1557:327–336, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pietro:1999:SPA**

- [415] Giuseppe De Pietro and Marco Lerro. The split-proxy approach: A new architecture for parallel video servers. *Lecture Notes in Computer Science*, 1557:327–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570327.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570327.pdf>.

**Uytterhoeven:1999:WTL**

- [416] Geert Uytterhoeven, Dirk Roose, and Adhemar Bultheel. A wavelet toolbox for large scale image processing. *Lecture Notes in Computer Science*, 1557: 337–346, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570337.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570337.pdf>.

**Kutil:1999:HSA**

- [417] Rade Kutil and Andreas Uhl. Hardware and software aspects for 3-D wavelet decomposition on shared memory MIMD computers. *Lecture Notes in Computer Science*, 1557:347–356, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570347.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570347.pdf>.

**Corsaro:1999:PIF**

- [418] Stefania Corsaro, Luisa D’Amore, and Almerico Murli. On the parallel implementation of the fast wavelet packet transform on MIMD distributed memory environments. *Lecture Notes in Computer Science*, 1557:357–366, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570357.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570357.pdf>.

[series/0558/papers/1557/15570357.pdf](http://link.springer-ny.com/link/service/series/0558/papers/1557/15570357.pdf).

**Feil:1999:APP**

- [419] Manfred Feil and Andreas Uhl. Algorithms and programming paradigms for 2-D wavelet packet decomposition on multicomputers and multiprocessors. *Lecture Notes in Computer Science*, 1557:367–376, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570367.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570367.pdf>.

**Jensen:1999:RTL**

- [420] Morten Vadskær Jensen and Brian Nielsen. Real-time layered video compression using SIMD computation. *Lecture Notes in Computer Science*, 1557: 377–387, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570377.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570377.pdf>.

**Glendinning:1999:PSS**

- [421] Ian Glendinning. Parallelisation of a satellite signal processing code — strategies and tools. *Lecture Notes in Computer Science*, 1557:388–397, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570388.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570388.pdf>.

/link.springer-ny.com/link/service/series/0558/papers/1557/15570388.pdf.

**Janoth:1999:MSP**

- [422] Jürgen Janoth, Markus M. Eisl, Erwin M. Bakker, Rogier van Sterkenburg, Roberta Borgia, Salvo Sabina, and Fabio Volpe. MMIPPS — A software package for multitemporal and multispectral image processing on parallel systems. *Lecture Notes in Computer Science*, 1557:398–407, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570398.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570398.pdf>.

**Goller:1999:PMS**

- [423] Alois Goller. Parallel matching of synthetic aperture radar images. *Lecture Notes in Computer Science*, 1557:408–416, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570408.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570408.pdf>.

**Hsieh:1999:PDD**

- [424] Sun yuan Hsieh. Parallel decomposition of distance-hereditary graphs. *Lecture Notes in Computer Science*, 1557:417–426, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570417.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570417.pdf>.

0558/bibs/1557/15570417.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570417.pdf>.

**Bartz:1999:APC**

- [425] Dirk Bartz and Wolfgang Straßer. Asynchronous parallel construction of recursive tree hierarchies. *Lecture Notes in Computer Science*, 1557:427–436, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570427.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570427.pdf>.

**Kofler:1999:LPT**

- [426] Helmut Kofler, Ernst J. Haunschmid, Wilfried N. Gansterer, and Christoph W. Ueberhuber. The locality property in topological irregular graph hierarchies. *Lecture Notes in Computer Science*, 1557:437–449, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570437.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570437.pdf>.

**Koppler:1999:GAR**

- [427] Rainer Koppler. Geometry-aided rectilinear partitioning of unstructured meshes. *Lecture Notes in Computer Science*, 1557:450–459, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570450.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570450.pdf>.

bibs/1557/15570450.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570450.pdf>.

**Genius:1999:RCC**

- [428] Daniela Genius and Jörn Eisenbiegler. Reducing cache conflicts by a parametrized memory mapping. *Lecture Notes in Computer Science*, 1557:460–469, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570460.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570460.pdf>.

**Carretero:1999:OIA**

- [429] Jesús Carretero, Jaechun No, and Alok Choudhary. Optimizing I/O for irregular applications on distributed-memory machines. *Lecture Notes in Computer Science*, 1557:470–479, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570470.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570470.pdf>.

**Stolberg:1999:CMA**

- [430] Hans-Joachim Stolberg, Martin Ohmacht, and Peter Pirsch. Cellular multi-processor arrays with adaptive resource utilization. *Lecture Notes in Computer Science*, 1557:480–489, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570480.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570480.pdf>.

ny.com/link/service/series/0558/bibs/1557/15570480.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570480.pdf>.

**Kranzlmüller:1999:NNP**

- [431] D. Kranzlmüller and J. Volkert. NOPE: A nondeterministic program evaluator. *Lecture Notes in Computer Science*, 1557:490–499, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kranzlmüller:1999:NNP**

- [432] Dieter Kranzlmüller and Jens Volkert. NOPE: A nondeterministic program evaluator. *Lecture Notes in Computer Science*, 1557:490–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570490.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570490.pdf>.

**Melo:1999:VMV**

- [433] Alba Cristina Melo and Simone Cintra Chagas. Visual-MCM: Visualising execution histories on multiple memory consistency models. *Lecture Notes in Computer Science*, 1557:500–509, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570500.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570500.pdf>.

**Golebiewski:1999:HPI**

- [434] Maciej Golebiewski, Markus Baum, and Rolf Hempel. High performance implementation of MPI for Myrinet. *Lecture Notes in Computer Science*, 1557:510–521, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570510.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570510.pdf>.

**Boeszoermenyi:1999:PCC**

- [435] L. Boeszoermenyi, G. Hoelzl, and E. Pirker. Parallel cluster computing with IEEE1394-1995. *Lecture Notes in Computer Science*, 1557:522–532, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boszormenyi:1999:PCC**

- [436] László Böszörményi, Günther Hölzl, and Emanuel Pirker. Parallel cluster computing with IEEE1394-1995. *Lecture Notes in Computer Science*, 1557:522–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570522.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570522.pdf>.

**Hlavacs:1999:SLB**

- [437] Helmut Hlavacs and Christoph W. Ueberhuber. Simulating load balancing on heterogeneous workstation clusters. *Lecture Notes in*

*Computer Science*, 1557:533–540, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570533.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570533.pdf>.

**Hagenauer:1999:GVT**

[438] Helge Hagenauer. Global virtual time approximation for split queue time warp. *Lecture Notes in Computer Science*, 1557:541–548, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570541.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570541.pdf>.

**Koholka:1999:MPR**

- [439] Roland Koholka, Heinz Mayer, and Alois Goller. MPI-parallelized radiance on SGI CoW and SMP. *Lecture Notes in Computer Science*, 1557:549–558, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570549.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570549.pdf>.

**Taniar:1999:PSC**

- [440] David Taniar and J. Wenny Rahayu. Parallel sub-collection join query algorithms for a high performance object-oriented database architecture. *Lecture*

*Notes in Computer Science*, 1557:559–569, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570559.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570559.pdf>.

**Acacio:1999:EPC**

- [441] Manuel Acacio, Oscar Cánovas, José M. García, and Pedro E. López de Teruel. An evaluation of parallel computing in PC clusters with fast ethernet. *Lecture Notes in Computer Science*, 1557:570–571, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570570.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570570.pdf>.

**Akramullah:1999:PME**

- [442] Shahriar M. Akramullah, Ishfaq Ahmad, and Ming L. Liou. Parallel MPEG-2 encoder on ATM and Ethernet-connected workstations. *Lecture Notes in Computer Science*, 1557:572–574, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570572.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570572.pdf>.

**Alonso:1999:BPN**

- [443] Pedro Alonso and Juan M. Peña.

Block and partitioned Neville elimination. *Lecture Notes in Computer Science*, 1557:575–576, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570575.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570575.pdf>.

**Amalfitano:1999:OOD**

- [444] Francesco Amalfitano, Antonio d’Acierno, Ivana Marra, and Lucio Sansone. An object-oriented DataBase for movies-on-demand: Two approaches. *Lecture Notes in Computer Science*, 1557:577–578, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570577.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570577.pdf>.

**Antonuccio-Delogu:1999:PTA**

- [445] Vincenzo Antonuccio-Delogu, Ugo Beciani, Mario Gambera, and Antonio Pagliaro. Parallel tree algorithms for  $N$ -body simulations. *Lecture Notes in Computer Science*, 1557:579–580, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570579.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570579.pdf>.

**Bassomo:1999:PNA**

- [446] Pierre Bassomo, Ibrahima Sakho,

and Annie Corbel. Parallel numerical algorithms for distributed memory machines. *Lecture Notes in Computer Science*, 1557:581–583, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570581.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570581.pdf>.

**Brest:1999:DSN**

- [447] Janez Brest, Viljem Zumer, and Milan Ojstersek. Dynamic scheduling on a network heterogeneous computer system. *Lecture Notes in Computer Science*, 1557:584–585, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570584.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570584.pdf>.

**Giordano:1999:IBP**

- [448] Maurizio Giordano, Mario Mango Furnari, and Francesco Vitobello. Interaction between PVM parameters and communication performances on ATM networks. *Lecture Notes in Computer Science*, 1557:586–587, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570586.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570586.pdf>.

**Glazek:1999:HSD**

- [449] Włodzimierz Głazek. How to share a divisible load in a hypercube. *Lecture Notes in Computer Science*, 1557:588–589, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570588.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570588.pdf>.

**Karner:1999:OFS**

- [450] Herbert Karner and Christoph W. Ueberhuber. Overlapped four-step FFT computation. *Lecture Notes in Computer Science*, 1557:590–591, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570590.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570590.pdf>.

**Lee:1999:DPP**

- [451] Hyung Lee, Kyung-Ae Moon, and Jong-Won Park. Design of parallel processing system for facial image retrieval. *Lecture Notes in Computer Science*, 1557:592–593, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570592.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570592.pdf>.

**Magnaghi:1999:IPA**

- [452] Antonio Magnaghi, Shuichi Sakai, and Hidehiko Tanaka. Inter-procedural analysis for parallelization of Java programs. *Lecture Notes in Computer Science*, 1557:594–595, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570594.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570594.pdf>.

**Palenichka:1999:FRC**

- [453] Roman M. Palenichka. Fast recursive computation of local axial moments by using primitive kernel functions. *Lecture Notes in Computer Science*, 1557:596–597, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570596.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570596.pdf>.

**Pavlus:1999:SEP**

- [454] Miron Pavlus. Speed up estimation for a parallel method for systems of linear ordinary differential equations. *Lecture Notes in Computer Science*, 1557:598–599, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570598.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570598.pdf>.

**Santos:1999:EPA**

- [455] Eunice E. Santos and Pei-Yue Pauline Chu. Efficient parallel algorithms for dense Cholesky factorization. *Lecture Notes in Computer Science*, 1557:600–602, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1557/15570600.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1557/15570600.pdf>.

**Junghanns:1999:RCL**

- [456] Andreas Junghanns and Jonathan Schaeffer. Relevance cuts: Localizing the search. *Lecture Notes in Computer Science*, 1558:1–14, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1558/15580001.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1558/15580001.pdf>.

**Bjoernsson:1999:MCP**

- [457] Y. Bjoernsson and T. Marsland. Multi-cut pruning in alpha-beta search. *Lecture Notes in Computer Science*, 1558:15–24, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bjornsson:1999:MCP**

- [458] Yngvi Björnsson and Tony Marsland. Multi-cut pruning in alpha-beta search. *Lecture Notes in Computer Science*, 1558:15–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

(electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1558/15580015.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1558/15580015.pdf>.

**Breuker:1999:SGP**

- [459] Dennis M. Breuker, H. Jaap van den Herik, Jos W. H. M. Uiterwijk, and L. Victor Allis. A solution to the GHI problem for best-first search. *Lecture Notes in Computer Science*, 1558:25–49, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1558/15580025.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1558/15580025.pdf>.

**Frank:1999:OPA**

- [460] Ian Frank and David Basin. Optimal play against best defence: Complexity and heuristics. *Lecture Notes in Computer Science*, 1558:50–73, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1558/15580050.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1558/15580050.pdf>.

**Gao:1999:SS**

- [461] Xinbo Gao, Hiroyuki Iida, Jos W. H. M. Uiterwijk, and H. Jaap van den Herik. A speculative strategy. *Lecture Notes in Computer Science*, 1558:74–92, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (elec-

tronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1558/15580074.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1558/15580074.pdf>.

**Willmott:1999:APA**

- [462] Steven Willmott, Julian Richardson, Alan Bundy, and John Levine. An adversarial planning approach to Go. *Lecture Notes in Computer Science*, 1558:93–112, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1558/15580093.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1558/15580093.pdf>.

**Beal:1999:FRU**

- [463] Donald F. Beal and Martin C. Smith. First results from using temporal difference learning in Shogi. *Lecture Notes in Computer Science*, 1558:113–125, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1558/15580113.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1558/15580113.pdf>.

**Buro:1999:SFS**

- [464] Michael Buro. From simple features to sophisticated evaluation functions. *Lecture Notes in Computer Science*, 1558:126–145, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/>

0558/bibs/1558/15580126.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1558/15580126.pdf>.

**Kojima:1999:TSM**

- [465] Takuya Kojima and Atsushi Yoshikawa. A two-step model of pattern acquisition: Application to Tsume-Go. *Lecture Notes in Computer Science*, 1558:146–166, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1558/15580146.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1558/15580146.pdf>.

**Sasaki:1999:NNP**

- [466] Nobusuke Sasaki, Yasuji Sawada, and Jin Yoshimura. A neural network program of Tsume-Go. *Lecture Notes in Computer Science*, 1558:167–182, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1558/15580167.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1558/15580167.pdf>.

**Giraldez:1999:DDM**

- [467] J. Ignacio Giráldez and Daniel Borrajo. Distributed decision making in checkers. *Lecture Notes in Computer Science*, 1558:183–194, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1558/15580183.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1558/15580183.pdf>.

**Pijls:1999:GTA**

- [468] Wim Pijls and Arie de Bruin. Game tree algorithms and solution trees. *Lecture Notes in Computer Science*, 1558:195–204, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1558/15580195.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1558/15580195.pdf>.

**Fraenkel:1999:NHG**

- [469] Aviezri S. Fraenkel and Dmitri Zusan. A new heap game. *Lecture Notes in Computer Science*, 1558:205–211, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1558/15580205.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1558/15580205.pdf>.

**Fraenkel:1999:ICI**

- [470] Aviezri S. Fraenkel and Ofer Rahat. Infinite cyclic impartial games. *Lecture Notes in Computer Science*, 1558:212–221, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1558/15580212.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1558/15580212.pdf>.

**Crasmaru:1999:CTG**

- [471] Marcel Crâsmaru. On the complexity of Tsume-Go. *Lecture Notes in Computer Science*, 1558:222–231, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1558/15580222.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1558/15580222.pdf>.

**Spight:1999:ETM**

- [472] William L. Spight. Extended thermography for multiple kos in Go. *Lecture Notes in Computer Science*, 1558:232–251, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1558/15580232.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1558/15580232.pdf>.

**Mueller:1999:CGR**

- [473] M. Mueller. Computer Go: A research agenda. *Lecture Notes in Computer Science*, 1558:252–264, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Muller:1999:CGR**

- [474] Martin Müller. Computer go: A research agenda. *Lecture Notes in Computer Science*, 1558:252–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1558/15580252.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1558/15580252.pdf>.

[/link.springer-ny.com/link/service/series/0558/papers/1558/15580252.pdf](http://link.springer-ny.com/link/service/series/0558/papers/1558/15580252.pdf).

**Tajima:1999:EPO**

- [475] Morihiko Tajima and Noriaki Sanechika. Estimating the possible omission number for groups in Go by the number of  $n$ -th Dame. *Lecture Notes in Computer Science*, 1558:265–281, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1558/15580265.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1558/15580265.pdf>.

**Yoshikawa:1999:RBS**

- [476] Atsushi Yoshikawa, Takuya Kojima, and Yasuki Saito. Relations between skill and the use of terms — an analysis of protocols of the game of go. *Lecture Notes in Computer Science*, 1558:282–299, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1558/15580282.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1558/15580282.pdf>.

**Grimbergen:1999:STS**

- [477] Reijer Grimbergen. A survey of Tsume-Shogi programs using variable-depth search. *Lecture Notes in Computer Science*, 1558:300–317, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1558/15580300.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1558/15580300.pdf>.

bibs/1558/15580300.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1558/15580300.pdf>.

**Iida:1999:RAK**

- [478] Hiroyuki Iida, Jin Yoshimura, Kazuro Morita, and Jos W. H. M. Uiterwijk. Retrograde analysis of the KGK endgame in Shogi: Its implications for ancient Heian Shogi. *Lecture Notes in Computer Science*, 1558:318–335, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1558/15580318.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1558/15580318.pdf>.

**Fuchs:1999:ACE**

- [479] Norbert E. Fuchs, Uta Schwertel, and Rolf Schwitter. Attempto Controlled English — not just another logic specification language. *Lecture Notes in Computer Science*, 1559:1–20, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1559/15590001.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1559/15590001.pdf>.

**Baldan:1999:STM**

- [480] Dante Baldan, Baudouin Le Charlier, Christophe Leclère, and Isabelle Pollet. A step towards a methodology for Mercury program construction: A declarative semantics for Mercury. *Lecture Notes in Computer Science*, 1559:21–

40, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1559/15590021.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1559/15590021.pdf>.

**Robertson:1999:PSL**

- [481] David Robertson and Jaume Agustí. Pragmatics in the synthesis of logic programs. *Lecture Notes in Computer Science*, 1559:41–60, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1559/15590041.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1559/15590041.pdf>.

**VanBaalen:1999:UDP**

- [482] Jeffrey Van Baalen and Steven Roach. Using decision procedures to accelerate domain-specific deductive synthesis systems. *Lecture Notes in Computer Science*, 1559:61–80, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1559/15590061.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1559/15590061.pdf>.

**Avellone:1999:SPA**

- [483] Alessandro Avellone, Mauro Ferrari, and Pierangelo Miglioli. Synthesis of programs in abstract data types. *Lecture Notes in Computer Science*, 1559:

- 81–100, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1559/15590081.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1559/15590081.pdf>. ■
- Lau:1999:OFC**
- [484] Kung-Kiu Lau and Mario Ornaghi. OOD frameworks in component-based software — development in computational logic. *Lecture Notes in Computer Science*, 1559:101–123, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1559/15590101.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1559/15590101.pdf>. ■
- Brogi:1999:URC**
- [485] Antonio Brogi, Simone Contiero, and Franco Turini. The use of renaming in composing general programs. *Lecture Notes in Computer Science*, 1559:124–142, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1559/15590124.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1559/15590124.pdf>. ■
- Bossi:1999:ISL**
- [486] A. Bossi and S. Rossi. Inductive synthesis of logic programs by composition of combinatory program schemes. *Lecture Notes in Computer Science*, 1559:143–158, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). ■
- Hamfelt:1999:ISL**
- [487] Andreas Hamfelt and Jørgen Fischer Nilsson. Inductive synthesis of logic programs by composition of combinatory program schemes. *Lecture Notes in Computer Science*, 1559:143–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1559/15590143.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1559/15590143.pdf>. ■
- Bossi:1999:SLPa**
- [488] Annalisa Bossi and Sabina Rossi. Specialising logic programs with respect to call/post specifications. *Lecture Notes in Computer Science*, 1559:159–178, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1559/15590159.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1559/15590159.pdf>. ■
- Glueck:1999:GHO**
- [489] R. Glueck, J. Hatcliff, and J. Joergensen. Generalization in hierarchies of online program specialization systems. *Lecture Notes in Computer Science*, 1559:179–198, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). ■

**Gluck:1999:GHO**

- [490] Robert Glück, John Hatcliff, and Jesper Jørgensen. Generalization in hierarchies of online program specialization systems. *Lecture Notes in Computer Science*, 1559:179–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1559/15590179.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1559/15590179.pdf>.

**Leuschel:1999:IHE**

- [491] Michael Leuschel. Improving homeomorphic embedding for online termination. *Lecture Notes in Computer Science*, 1559:199–218, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1559/15590199.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1559/15590199.pdf>.

**Bossi:1999:SLPb**

- [492] Annalisa Bossi and Nicoletta Cocco. Successes in logic programs. *Lecture Notes in Computer Science*, 1559:219–239, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1559/15590219.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1559/15590219.pdf>.

**Hoarau:1999:ICT**

- [493] Sébastien Hoarau and Fred Mesnard. Inferring and compiling termination for constraint logic programs. *Lecture Notes in Computer Science*, 1559:240–254, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1559/15590240.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1559/15590240.pdf>.

**Gabric:1999:SAF**

- [494] Tihomir Gabric, Kevin Glynn, and Harald Søndergaard. Strictness analysis as finite-domain constraint solving. *Lecture Notes in Computer Science*, 1559:255–270, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1559/15590255.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1559/15590255.pdf>.

**Stark:1999:IDF**

- [495] Jamie Stark and Andrew Ireland. Invariant discovery via failed proof attempts. *Lecture Notes in Computer Science*, 1559:271–288, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1559/15590271.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1559/15590271.pdf>.

**Smaus:1999:PIE**

- [496] Jan-Georg Smaus, Pat Hill, and Andy King. Preventing instantiation errors and loops for logic programs with multiple modes using block declarations. *Lecture Notes in Computer Science*, 1559:289–307, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1559/15590289.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1559/15590289.pdf>.

**Wolper:1999:ASR**

- [497] Pierre Wolper. Algorithms for synthesizing reactive systems: A perspective. *Lecture Notes in Computer Science*, 1559:308–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1559/15590308.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1559/15590308.pdf>.

**Zidoum:1999:SGS**

- [498] Hamza Zidoum, Pierre Flener, and Brahim Hnich. Schema-guided synthesis of CLP programs. *Lecture Notes in Computer Science*, 1559:309–312, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1559/15590309.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1559/15590309.pdf>.

**Richardson:1999:PPP**

- [499] Julian Richardson. Proof planning with program schemas. *Lecture Notes in Computer Science*, 1559:313–315, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1559/15590313.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1559/15590313.pdf>.

**Bellot:1999:LSI**

- [500] Patrick Bellot and Bernard Robinet. Logical synthesis of imperative O.O. programs. *Lecture Notes in Computer Science*, 1559:316–318, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1559/15590316.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1559/15590316.pdf>.

**BenAyed:1999:MFP**

- [501] R. Ben Ayed, J. Desharnais, M. Frappier, and A. Mill. Mathematical foundations for program transformations. *Lecture Notes in Computer Science*, 1559:319–321, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ayed:1999:MFP**

- [502] R. Ben Ayed, J. Desharnais, M. Frappier, and A. Mili. Mathematical foundations for program transformations. *Lecture Notes in Computer Science*, 1559:319–??, 1999. CODEN LNCSD9.

ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1559/15590319.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1559/15590319.pdf>.

**Rosenblueth:1999:ESM**

- [503] David A. Rosenblueth. An exhaustive-search method using layered streams obtained through a meta-interpreter for chain programs. *Lecture Notes in Computer Science*, 1559:322–324, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1559/15590322.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1559/15590322.pdf>.

**Vanhoof:1999:BSL**

- [504] Wim Vanhoof, Danny De Schreye, and Bern Martens. Bottom-up specialisation of logic programs. *Lecture Notes in Computer Science*, 1559:325–327, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1559/15590325.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1559/15590325.pdf>.

**Mallet:1999:MSO**

- [505] Sarah Mallet and Mireille Ducassé. Myrtle: A set-oriented meta-interpreter driven by a “relational” trace for deductive databases debugging. *Lecture Notes in Computer Science*, 1559:328–

330, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1559/15590328.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1559/15590328.pdf>.

**Bao:1999:NTM**

- [506] Feng Bao and Robert H. Deng. A new type of “magic ink” signatures — towards transcript-irrelevant anonymity revocation. *Lecture Notes in Computer Science*, 1560:1–11, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1560/15600001.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1560/15600001.pdf>.

**Lee:1999:NAD**

- [507] Chang-Hyi Lee and Jong-In Lim. A new aspect of dual basis for efficient field arithmetic. *Lecture Notes in Computer Science*, 1560:12–28, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1560/15600012.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1560/15600012.pdf>.

**Coron:1999:SRSa**

- [508] Jean-Sébastien Coron. On the security of random sources. *Lecture Notes in Computer Science*, 1560:29–42, 1999. CODEN LNCS9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1560/15600029.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1560/15600029.pdf>.

**Domingo-Ferrer:1999:AFB**

- [509] Josep Domingo-Ferrer. Anonymous fingerprinting based on committed oblivious transfer. *Lecture Notes in Computer Science*, 1560:43–52, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1560/15600043.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1560/15600043.pdf>.

**Fujisaki:1999:HES**

- [510] Eiichiro Fujisaki and Tatsuaki Okamoto. How to enhance the security of public-key encryption at minimum cost. *Lecture Notes in Computer Science*, 1560:53–68, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1560/15600053.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1560/15600053.pdf>.

**Gamage:1999:EMA**

- [511] Chandana Gamage, Jussipekka Leiwo, and Yuliang Zheng. Encrypted message authentication by firewalls. *Lecture Notes in Computer Science*, 1560:69–81, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (elec-

tronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1560/15600069.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1560/15600069.pdf>.

**Hada:1999:RBO**

- [512] Satoshi Hada and Toshiaki Tanaka. A relationship between one-wayness and correlation intractability. *Lecture Notes in Computer Science*, 1560:82–96, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1560/15600082.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1560/15600082.pdf>.

**Lee:1999:MRF**

- [513] Hyung-Woo Lee and Tai-Yun Kim. Message recovery fair blind signature. *Lecture Notes in Computer Science*, 1560:97–111, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1560/15600097.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1560/15600097.pdf>.

**Jakobsson:1999:QCA**

- [514] Markus Jakobsson. On quorum controlled asymmetric proxy re-encryption. *Lecture Notes in Computer Science*, 1560:112–121, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1560/15600112>.

htm; <http://link.springer-ny.com/link/service/series/0558/papers/1560/15600112.pdf>.

**Jakobsson:1999:MCM**

- [515] Markus Jakobsson. Mini-cash: A minimalistic approach to E-commerce. *Lecture Notes in Computer Science*, 1560:122–135, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1560/15600122.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1560/15600122.pdf>.

**Nikander:1999:PPD**

- [516] Pekka Nikander, Yki Kortnesniemi, and Jonna Partanen. Preserving privacy in distributed delegation with fast certificates. *Lecture Notes in Computer Science*, 1560:136–153, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1560/15600136.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1560/15600136.pdf>.

**Blake-Wilson:1999:UKS**

- [517] Simon Blake-Wilson and Alfred Menezes. Unknown key-share attacks on the station-to-station (STS) protocol. *Lecture Notes in Computer Science*, 1560:154–170, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1560/15600154.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1560/15600154.pdf>.

<http://link.springer-ny.com/link/service/series/0558/papers/1560/15600154.pdf>.

**Miyazaki:1999:TFI**

- [518] Shingo Miyazaki, Ikuko Kuroda, and Kouichi Sakurai. Toward fair international key escrow: An attempt by distributed trusted third agencies with threshold cryptography. *Lecture Notes in Computer Science*, 1560:171–187, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1560/15600171.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1560/15600171.pdf>.

**Naccache:1999:HCF**

- [519] David Naccache, Adi Shamir, and Julien P. Stern. How to copy-right a function? *Lecture Notes in Computer Science*, 1560:188–196, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1560/15600188.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1560/15600188.pdf>.

**Coron:1999:SRSb**

- [520] Jean-Sébastien Coron and David Naccache. On the security of RSA screening. *Lecture Notes in Computer Science*, 1560:197–203, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1560/15600197.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1560/15600197.pdf>.

/link.springer-ny.com/link/service/series/0558/papers/1560/15600197.pdf.

**Coupe:1999:ELA**

- [521] Christophe Coupé, Phong Nguyen, and Jacques Stern. The effectiveness of lattice attacks against low-exponent RSA. *Lecture Notes in Computer Science*, 1560:204–218, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1560/15600204.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1560/15600204.pdf>.

**Paillier:1999:TPE**

- [522] Pascal Paillier. A trapdoor permutation equivalent to factoring. *Lecture Notes in Computer Science*, 1560:219–222, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1560/15600219.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1560/15600219.pdf>.

**Paillier:1999:LCD**

- [523] Pascal Paillier. Low-cost double-size modular exponentiation or how to stretch your cryptoprocessor. *Lecture Notes in Computer Science*, 1560:223–234, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1560/15600223.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1560/15600223.pdf>.

**Paillier:1999:EDF**

- [524] Pascal Paillier. Evaluating differential fault analysis of unknown cryptosystems. *Lecture Notes in Computer Science*, 1560:235–244, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1560/15600235.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1560/15600235.pdf>.

**Rubia:1999:RIB**

- [525] Montse Rubia, Juan Carlos Cruellas, and Manel Medina. Removing interoperability barriers between the X.509 and EDIFACT public key infrastructures: The DEDICA project. *Lecture Notes in Computer Science*, 1560:245–262, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1560/15600245.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1560/15600245.pdf>.

**Shin:1999:HFM**

- [526] Sang Uk Shin, Kyung Hyune Rhee, and Jae Woo Yoon. Hash functions and the MAC using all-or-nothing property. *Lecture Notes in Computer Science*, 1560:263–275, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1560/15600275.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1560/15600275.pdf>.

bibs/1560/15600263.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1560/15600263.pdf>.

**Handschuh:1999:DOE**

- [527] Helena Handschuh, Yiannis Tsionis, and Moti Yung. Decision oracles are equivalent to matching oracles. *Lecture Notes in Computer Science*, 1560:276–289, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1560/15600276.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1560/15600276.pdf>.

**Watanabe:1999:SGR**

- [528] Yuji Watanabe and Hideki Imai. Shared generation of random number with timestamp: How to cope with the leakage of the CA's secret. *Lecture Notes in Computer Science*, 1560:290–305, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1560/15600290.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1560/15600290.pdf>.

**Young:1999:ARC**

- [529] Adam Young and Moti Yung. Auto-recoverable cryptosystems with faster initialization and the escrow hierarchy. *Lecture Notes in Computer Science*, 1560:306–314, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/>

[series/0558/bibs/1560/15600306.htm](http://link.springer-ny.com/link/service/series/0558/bibs/1560/15600306.htm); <http://link.springer-ny.com/link/service/series/0558/papers/1560/15600306.pdf>.

**Zhou:1999:SPP**

- [530] Jianying Zhou and Kwok-Yan Lam. A secure pay-per-view scheme for Web-based video service. *Lecture Notes in Computer Science*, 1560:315–326, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1560/15600315.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1560/15600315.pdf>.

**Jianying:1999:SPP**

- [531] Z. Jianying and K.-Y. Lam. A secure pay-per-view scheme for Web-based video service. *Lecture Notes in Computer Science*, 1560:315–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Anonymous:1999:AIa**

- [532] Anonymous. Author index. *Lecture Notes in Computer Science*, 1560:327–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/papers/1560/15600327.pdf>.

**Bellare:1999:POP**

- [533] Mihir Bellare. Practice-oriented provable security. *Lecture Notes in Computer Science*, 1561:1–15, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1561/15610001.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1561/15610001.pdf>.

ny.com/link/service/series/0558/bibs/1561/15610001.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1561/15610001.pdf>.

**Cramer:1999:ISC**

- [534] Ronald Cramer. Introduction to secure computation. *Lecture Notes in Computer Science*, 1561:16–62, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1561/15610016.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1561/15610016.pdf>.

**Damgaard:1999:CSZ**

- [535] Ivan Damgård. Commitment schemes and zero-knowledge protocols. *Lecture Notes in Computer Science*, 1561:63–86, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1561/15610063.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1561/15610063.pdf>.

**Kaliski:1999:ESP**

- [536] Burton S. Kaliski Jr. Emerging standards for public-key cryptography. *Lecture Notes in Computer Science*, 1561:87–104, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1561/15610087.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1561/15610087.pdf>.

series/0558/papers/1561/15610087.pdf.

**Knudsen:1999:CBC**

- [537] Lars R. Knudsen. Contemporary block ciphers. *Lecture Notes in Computer Science*, 1561:105–126, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1561/15610105.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1561/15610105.pdf>.

**Landrock:1999:PTU**

- [538] Peter Landrock. Primality tests and use of primes in public key systems. *Lecture Notes in Computer Science*, 1561:127–133, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1561/15610127.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1561/15610127.pdf>.

**Pedersen:1999:SCP**

- [539] Torben P. Pedersen. Signing contracts and paying electronically. *Lecture Notes in Computer Science*, 1561:134–157, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1561/15610134.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1561/15610134.pdf>.

**Preneel:1999:SCH**

- [540] Bart Preneel. The state of cryptographic hash functions. *Lecture Notes in Computer Science*, 1561:158–182, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1561/15610158.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1561/15610158.pdf>.

**Salvail:1999:SHG**

- [541] Louis Salvail. The search for the Holy Grail in quantum cryptography. *Lecture Notes in Computer Science*, 1561:183–216, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1561/15610183.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1561/15610183.pdf>.

**Wolf:1999:USC**

- [542] Stefan Wolf. Unconditional security in cryptography. *Lecture Notes in Computer Science*, 1561:217–250, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1561/15610217.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1561/15610217.pdf>.

**Nehaniv:1999:CMA**

- [543] Chrystopher L. Nehaniv. Computation for metaphors, analogy and agents.

*Lecture Notes in Computer Science*, 1562:1–10, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1562/15620001.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1562/15620001.pdf>.

**Turner:1999:FC**

- [544] Mark Turner. Forging connections. *Lecture Notes in Computer Science*, 1562:11–26, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1562/15620011.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1562/15620011.pdf>.

**Hiraga:1999:RSM**

- [545] Masako K. Hiraga. Rough sea and the milky way: ‘blending’ in a haiku text. *Lecture Notes in Computer Science*, 1562:27–36, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1562/15620027.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1562/15620027.pdf>.

**Veale:1999:PFM**

- [546] Tony Veale. Pragmatic forces in metaphor use: The mechanics of blend recruitment in visual metaphors. *Lecture Notes in Computer Science*, 1562:37–51, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (elec-

tronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1562/15620037.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1562/15620037.pdf>.

**Brooks:1999:CPB**

- [547] Rodney A. Brooks, Cynthia Breazeal, Matthew Marjanovic, Brian Scasselati, and Matthew M. Williamson. The cog project: Building a humanoid robot. *Lecture Notes in Computer Science*, 1562:52–87, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1562/15620052.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1562/15620052.pdf>.

**Stojanov:1999:EMM**

- [548] Georgi Stojanov. Embodiment as metaphor: Metaphorizing-in the environment. *Lecture Notes in Computer Science*, 1562:88–101, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1562/15620088.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1562/15620088.pdf>.

**Dautenhahn:1999:EIS**

- [549] Kerstin Dautenhahn. Embodiment and interaction in socially intelligent life-like agents. *Lecture Notes in Computer Science*, 1562:102–142, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (elec-

tronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1562/15620102.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1562/15620102.pdf>.

**Barnden:1999:ISM**

- [550] John A. Barnden. An implemented system for metaphor-based reasoning — with special application to reasoning about agents. *Lecture Notes in Computer Science*, 1562:143–153, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1562/15620143.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1562/15620143.pdf>.

**Fenton-Kerr:1999:GEP**

- [551] Tom Fenton-Kerr. GAIA: An experimental pedagogical agent for exploring multimodal interaction. *Lecture Notes in Computer Science*, 1562:154–164, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1562/15620154.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1562/15620154.pdf>.

**O'Neill-Brown:1999:WAM**

- [552] Patricia O'Neill-Brown. When agents meet cross-cultural metaphor: Can they be equipped to parse and generate it? *Lecture Notes in Computer Science*, 1562:165–175, 1999. CODEN LNCS9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1562/15620165.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1562/15620165.pdf>.

**Scassellati:1999:IMJ**

- [553] Brian Scassellati. Imitation and mechanisms of joint attention: A developmental structure for building social skills on a humanoid robot. *Lecture Notes in Computer Science*, 1562:176–195, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1562/15620176.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1562/15620176.pdf>.

**Kauppinen:1999:FSW**

- [554] Anneli Kauppinen. Figures of speech, a way to acquire language. *Lecture Notes in Computer Science*, 1562:196–208, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1562/15620196.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1562/15620196.pdf>.

**Nehmzow:1999:MTC**

- [555] Ulrich Nehmzow. “meaning” through clustering by self-organisation of spatial and temporal information. *Lecture Notes in Computer Science*, 1562:209–229, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (elec-

tronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1562/15620209.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1562/15620209.pdf>.

**Shinohara:1999:CMS**

- [556] Kazuko Shinohara. Conceptual mappings from spatial motion to time: Analysis of English and Japanese. *Lecture Notes in Computer Science*, 1562:230–241, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1562/15620230.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1562/15620230.pdf>.

**Goguen:1999:IAS**

- [557] Joseph Goguen. An introduction to algebraic semiotics, with application to user interface design. *Lecture Notes in Computer Science*, 1562:242–291, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1562/15620242.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1562/15620242.pdf>.

**Indurkha:1999:AAM**

- [558] Bipin Indurkha. An algebraic approach to modeling creativity of metaphor. *Lecture Notes in Computer Science*, 1562:292–306, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1562/15620306.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1562/15620306.pdf>.

ny.com/link/service/series/0558/bibs/1562/15620292.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1562/15620292.pdf>.

**Alty:1999:MHC**

- [559] J. L. Alty and R. P. Knott. Metaphor and human-computer interaction: A model based approach. *Lecture Notes in Computer Science*, 1562:307–321, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1562/15620307.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1562/15620307.pdf>.

**Beynon:1999:EMF**

- [560] Meurig Beynon. Empirical modelling and the foundations of artificial intelligence. *Lecture Notes in Computer Science*, 1562:322–364, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1562/15620322.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1562/15620322.pdf>.

**Nasuto:1999:CEM**

- [561] Slawomir J. Nasuto, Kerstin Dautenhahn, and Mark Bishop. Communication as an emergent metaphor for neuronal operation. *Lecture Notes in Computer Science*, 1562:365–379, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1562/15620365.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1562/15620365.pdf>.

ny.com/link/service/series/0558/bibs/1562/15620365.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1562/15620365.pdf>.

**Nehaniv:1999:SPM**

- [562] Chrystopher L. Nehaniv. The second person — meaning and metaphors. *Lecture Notes in Computer Science*, 1562:380–388, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1562/15620380.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1562/15620380.pdf>.

**Anonymous:1999:AIb**

- [563] Anonymous. Author index. *Lecture Notes in Computer Science*, 1562:389–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/papers/1562/15620389.pdf>.

**Nisan:1999:ASA**

- [564] Noam Nisan. Algorithms for selfish agents. *Lecture Notes in Computer Science*, 1563:1–15, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630001.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630001.pdf>.

**OssonadeMendez:1999:RGM**

- [565] P. Ossona de Mendez. The reduced genus of a multigraph. *Lecture Notes in*

*Computer Science*, 1563:16–31, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DeMendez:1999:RGM**

- [566] P. O. De Mendez. The reduced genus of a multigraph. *Lecture Notes in Computer Science*, 1563:16–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mendez:1999:RGM**

- [567] Patrice Ossona de Mendez. The reduced genus of a multigraph. *Lecture Notes in Computer Science*, 1563:16–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630016.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630016.pdf>.

**Wilke:1999:CDT**

- [568] Thomas Wilke. Classifying discrete temporal properties. *Lecture Notes in Computer Science*, 1563:32–46, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630032.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630032.pdf>.

**Bernasconi:1999:CCT**

- [569] Anna Bernasconi and Igor Shparlinski. Circuit complexity of testing square-free numbers. *Lecture Notes in Computer Science*, 1563:47–56, 1999. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630047.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630047.pdf>.

**Sauerhoff:1999:RBP**

- [570] Martin Sauerhoff, Ingo Wegener, and Ralph Werchner. Relating branching program size and formula size over the full binary basis. *Lecture Notes in Computer Science*, 1563:57–67, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630057.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630057.pdf>.

**Andreev:1999:MOS**

- [571] Alexander E. Andreev, Andrea E. F. Clementi, Paolo Penna, and José D. P. Rolim. Memory organization schemes for large shared data: A randomized solution for distributed memory machines. *Lecture Notes in Computer Science*, 1563:68–77, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630068.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630068.pdf>.

**Jakoby:1999:ATC**

- [572] Andreas Jakoby. The average time complexity to compute prefix func-

tions in processor networks. *Lecture Notes in Computer Science*, 1563:78–89, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630078.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630078.pdf>.

**Cai:1999:HP**

- [573] Jin-Yi Cai, A. Pavan, and D. Sivakumar. On the hardness of permanent. *Lecture Notes in Computer Science*, 1563:90–99, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630090.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630090.pdf>.

**Buhrman:1999:OSV**

- [574] Harry Buhrman and Lance Fortnow. One-sided versus two-sided error in probabilistic computation. *Lecture Notes in Computer Science*, 1563:100–109, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630100.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630100.pdf>.

**Icking:1999:OCS**

- [575] Christian Icking, Rolf Klein, and Elmar Langetepe. An optimal competitive strategy for walking in streets. *Lecture Notes in Computer Science*, 1563:110–

120, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630110.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630110.pdf>.

**Schuieler:1999:OSS**

- [576] Sven Schuieler and Ines Semrau. An optimal strategy for searching in unknown streets. *Lecture Notes in Computer Science*, 1563:121–131, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630121.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630121.pdf>.

**Hammar:1999:PSR**

- [577] Mikael Hammar, Bengt J. Nilsson, and Sven Schuieler. Parallel searching on  $m$  rays. *Lecture Notes in Computer Science*, 1563:132–142, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630132.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630132.pdf>.

**Lautemann:1999:LCL**

- [578] Clemens Lautemann, Nicole Schweikardt, and Thomas Schwentick. A logical characterisation of linear time on non-deterministic Turing machines. *Lecture Notes in Computer Science*, 1563:143–

- 152, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630143.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630143.pdf>.
- Durand:1999:DCC**
- [579] Bruno Durand, Alexander Shen, and Nikolai Vereshagin. Descriptive complexity of computable sequences. *Lecture Notes in Computer Science*, 1563:153–162, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630153.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630153.pdf>.
- Bergman:1999:CSP**
- [580] Clifford Bergman and Giora Slutzki. Complexity of some problems in universal algebra. *Lecture Notes in Computer Science*, 1563:163–172, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630163.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630163.pdf>.
- Kloks:1999:NBT**
- [581] Ton Kloks, Jan Kratochvíl, and Haiko Müller. New branchwidth territories. *Lecture Notes in Computer Science*, 1563:173–183, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630173.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630173.pdf>.
- Kao:1999:BRT**
- [582] Ming-Yang Kao, Andrzej Lingas, and Anna Östlin. Balanced randomized tree splitting with applications to evolutionary tree constructions. *Lecture Notes in Computer Science*, 1563:184–196, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630184.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630184.pdf>.
- Bouchitte:1999:TMF**
- [583] Vincent Bouchitté and Ioan Todinca. Treewidth and minimum fill-in of weakly triangulated graphs. *Lecture Notes in Computer Science*, 1563:197–206, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630197.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630197.pdf>.
- Halava:1999:DUM**
- [584] Vesa Halava, Mika Hirvensalo, and Ronald de Wolf. Decidability and undecidability of marked PCP. *Lecture Notes in Computer Science*, 1563:207–216, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (elec-

tronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630207.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630207.pdf>.

**Robson:1999:QWE**

- [585] John Michael Robson and Volker Diekert. On quadratic word equations. *Lecture Notes in Computer Science*, 1563:217–226, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630217.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630217.pdf>.

**Kirsten:1999:SUR**

- [586] Daniel Kirsten. Some undecidability results related to the star problem in trace monoids. *Lecture Notes in Computer Science*, 1563:227–236, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630227.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630227.pdf>.

**Kitsten:1999:SUR**

- [587] D. Kitsten. Some undecidability results related to the star problem in trace monoids. *Lecture Notes in Computer Science*, 1563:227–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Andersson:1999:AAM**

- [588] Gunnar Andersson. An approximation algorithm for MAX  $p$ -SECTION. *Lecture Notes in Computer Science*, 1563:237–247, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630237.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630237.pdf>.

**Kratsch:1999:ABM**

- [589] Dieter Kratsch and Lorna Stewart. Approximating bandwidth by mixing layouts of interval graphs. *Lecture Notes in Computer Science*, 1563:248–258, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630248.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630248.pdf>.

**Preis:1999:LTA**

- [590] Robert Preis. Linear time  $1/2$ -approximation algorithm for maximum weighted matching in general graphs. *Lecture Notes in Computer Science*, 1563:259–269, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630259.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630259.pdf>.

**Hemaspaandra:1999:EDC**

- [591] Edith Hemaspaandra, Lane A. Hemaspaandra, and Harald Hempel. Extending downward collapse from 1-versus-2 queries to  $j$ -versus- $j+1$  queries. *Lecture Notes in Computer Science*, 1563:270–280, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630270.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630270.pdf>.

**Arvind:1999:SSA**

- [592] Vikraman Arvind and Jacobo Torán. Sparse sets, approximable sets, and parallel queries to NP. *Lecture Notes in Computer Science*, 1563:281–290, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630281.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630281.pdf>.

**Sibeyn:1999:ES**

- [593] Jop F. Sibeyn. External selection. *Lecture Notes in Computer Science*, 1563:291–301, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630291.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630291.pdf>.

**Ahrendt:1999:FCE**

- [594] Timm Ahrendt. Fast computations of the exponential function. *Lecture Notes in Computer Science*, 1563:302–312, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630302.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630302.pdf>.

**Koutny:1999:MBA**

- [595] Maciej Koutny and Giuseppe Pappalardo. A model of behaviour abstraction for communicating processes. *Lecture Notes in Computer Science*, 1563:313–322, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630313.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630313.pdf>.

**Bouajjani:1999:MCL**

- [596] Ahmed Bouajjani and Richard Mayr. Model checking lossy vector addition systems. *Lecture Notes in Computer Science*, 1563:323–333, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630323.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630323.pdf>.

**Wu:1999:CLS**

- [597] Bang Ye Wu, Kun-Mao Chao, and Chuan Yi Tang. Constructing light spanning trees with small routing cost. *Lecture Notes in Computer Science*, 1563:334–344, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630334.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630334.pdf>.

**Nykaenen:1999:FPR**

- [598] M. Nykaenen and E. Ukkonen. Finding paths with the right cost. *Lecture Notes in Computer Science*, 1563:345–355, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nykanen:1999:FPR**

- [599] Matti Nykänen and Esko Ukkonen. Finding paths with the right cost. *Lecture Notes in Computer Science*, 1563:345–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630345.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630345.pdf>.

**Szegedy:1999:HMS**

- [600] Mario Szegedy. In how many steps the  $k$  peg version of the Towers of Hanoi game can be solved? *Lecture Notes in Computer Science*, 1563:356–361, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (elec-

tronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630356.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630356.pdf>.

**Frandsen:1999:LBD**

- [601] Gudmund Skovbjerg Frandsen, Johan P. Hansen, and Peter Bro Miltersen. Lower bounds for dynamic algebraic problems. *Lecture Notes in Computer Science*, 1563:362–372, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630362.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630362.pdf>.

**Engebretsen:1999:ELB**

- [602] Lars Engebretsen. An explicit lower bound for TSP with distances one and two. *Lecture Notes in Computer Science*, 1563:373–382, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630373.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630373.pdf>.

**Jakoby:1999:SDG**

- [603] Andreas Jakoby, Maciej Liskiewicz, and Rüdiger Reischuk. Scheduling dynamic graphs. *Lecture Notes in Computer Science*, 1563:383–392, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (elec-

tronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630383.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630383.pdf>.

**Aiello:1999:SID**

- [604] William Aiello, Costas Busch, Maurice Herlihy, Marios Mavronicolas, Nir Shavit, and Dan Touitou. Supporting increment and decrement operations in balancing networks. *Lecture Notes in Computer Science*, 1563:393–403, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630393.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630393.pdf>.

**Koutsoupias:1999:WCE**

- [605] Elias Koutsoupias and Christos Papadimitriou. Worst-case equilibria. *Lecture Notes in Computer Science*, 1563:404–413, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630404.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630404.pdf>.

**Reischuk:1999:CTA**

- [606] Rüdiger Reischuk and Thomas Zeugmann. A complete and tight average-case analysis of learning monomials. *Lecture Notes in Computer Science*, 1563:414–423, 1999. CODEN LNCSD9. ISSN 0302-9743 (print),

1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630414.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630414.pdf>.

**Case:1999:CGP**

- [607] John Case, Keh-Jiann Chen, and Sanjay Jain. Costs of general purpose learning. *Lecture Notes in Computer Science*, 1563:424–433, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630424.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630424.pdf>.

**Schuler:1999:UDT**

- [608] Rainer Schuler. Universal distributions and time-bounded Kolmogorov complexity. *Lecture Notes in Computer Science*, 1563:434–443, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630434.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630434.pdf>.

**Lautemann:1999:DCA**

- [609] Clemens Lautemann, Pierre McKenzie, Thomas Schwentick, and Herbert Vollmer. The descriptive complexity approach to LOGCFL. *Lecture Notes in Computer Science*, 1563:444–454, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (elec-

tronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630444.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630444.pdf>.

**Kupferman:1999:WSC**

- [610] Orna Kupferman and Moshe Y. Vardi. The weakness of self-complementation. *Lecture Notes in Computer Science*, 1563:455–466, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630455.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630455.pdf>.

**Eiter:1999:DHT**

- [611] Thomas Eiter, Toshihide Ibaraki, and Kazuhisa Makino. On the difference of horn theories. *Lecture Notes in Computer Science*, 1563:467–477, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630467.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630467.pdf>.

**Ettinger:1999:QAN**

- [612] Mark Ettinger and Peter Høyer. On quantum algorithms for noncommutative hidden subgroups. *Lecture Notes in Computer Science*, 1563:478–487, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630478.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630478.pdf>.

ny.com/link/service/series/0558/bibs/1563/15630478.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630478.pdf>.

**Sauerhoff:1999:SRO**

- [613] Martin Sauerhoff. On the size of randomized OBDDs and read-once branching programs for  $k$ -stable functions. *Lecture Notes in Computer Science*, 1563:488–499, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630488.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630488.pdf>.

**DiCrescenzo:1999:HFS**

- [614] G. Di Crescenzo, N. Ferguson, R. Impagliazzo, and M. Jakobsson. How to forget a secret. *Lecture Notes in Computer Science*, 1563:500–509, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Crescenzo:1999:HFS**

- [615] Giovanni Di Crescenzo, Niels Ferguson, Russell Impagliazzo, and Markus Jakobsson. How to forget a secret. *Lecture Notes in Computer Science*, 1563:500–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630500.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630500.pdf>.

**Mueller-Olm:1999:MFL**

- [616] M. Mueller-Olm. A modal fixpoint logic with chop. *Lecture Notes in Computer Science*, 1563:510–520, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Muller-Olm:1999:MFL**

- [617] Markus Müller-Olm. A modal fixpoint logic with chop. *Lecture Notes in Computer Science*, 1563:510–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630510.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630510.pdf>.

**Barua:1999:CNL**

- [618] Rana Barua, Suman Roy, and Zhou Chaochen. Completeness of neighbourhood logic. *Lecture Notes in Computer Science*, 1563:521–530, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630521.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630521.pdf>.

**Otto:1999:ERS**

- [619] Martin Otto. Eliminating recursion in the  $\mu$ -calculus. *Lecture Notes in Computer Science*, 1563:531–540, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630531.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630531.pdf>.

<http://link.springer-ny.com/link/service/series/0558/papers/1563/15630531.pdf>.

**Messner:1999:OAO**

- [620] Jochen Messner. On optimal algorithms and optimal proof systems. *Lecture Notes in Computer Science*, 1563:541–550, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630541.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630541.pdf>.

**Esteban:1999:SBR**

- [621] Juan Luis Esteban and Jacobo Torán. Space bounds for resolution. *Lecture Notes in Computer Science*, 1563:551–560, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630551.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630551.pdf>.

**Niedermeier:1999:UBV**

- [622] Rolf Niedermeier and Peter Rossmanith. Upper bounds for vertex cover further improved. *Lecture Notes in Computer Science*, 1563:561–570, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630561.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630561.pdf>.

series/0558/papers/1563/15630561.pdf.

**Riedel:1999:OMS**

- [623] Marco Riedel. Online matching for scheduling problems. *Lecture Notes in Computer Science*, 1563:571–580, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1563/15630571.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1563/15630571.pdf>.

**Akoka:1999:CDP**

- [624] Jacky Akoka. Conceptual design of parallel systems. *Lecture Notes in Computer Science*, 1565:1–23, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1565/15650001.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1565/15650001.pdf>.

**Boehm:1999:CMC**

- [625] Barry Boehm and Dan Port. Conceptual modeling challenges for model-based architecting and software engineering (MBase). *Lecture Notes in Computer Science*, 1565:24–43, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1565/15650024.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1565/15650024.pdf>.

**Castano:1999:DGC**

- [626] Silvana Castano and Valeria De Antonellis. Deriving global conceptual views from multiple information sources. *Lecture Notes in Computer Science*, 1565:44–55, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1565/15650044.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1565/15650044.pdf>.

**Chen:1999:AEL**

- [627] Peter P. Chen. From Ancient Egyptian language to future conceptual modeling. *Lecture Notes in Computer Science*, 1565:56–64, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1565/15650056.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1565/15650056.pdf>.

**Delcambre:1999:BDB**

- [628] Lois M. L. Delcambre. Breaking the database out of the box: Models for superimposed information. *Lecture Notes in Computer Science*, 1565:65–72, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1565/15650065.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1565/15650065.pdf>.

**Furtado:1999:NTD**

- [629] Antonio L. Furtado. Narratives and temporal databases: An interdisciplinary perspective. *Lecture Notes in Computer Science*, 1565:73–86, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1565/15650073.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1565/15650073.pdf>.

**Gardarin:1999:UCM**

- [630] Georges Gardarin and Fei Sha. Using conceptual modeling and intelligent agents to integrate semi-structured documents in federated databases. *Lecture Notes in Computer Science*, 1565:87–99, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1565/15650087.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1565/15650087.pdf>.

**Goan:1999:SUC**

- [631] Terrance Goan. Supporting the user: Conceptual modeling & knowledge discovery. *Lecture Notes in Computer Science*, 1565:100–104, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1565/15650100.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1565/15650100.pdf>.

**Kangassalo:1999:GUC**

- [632] Hannu Kangassalo. Are global understanding, communication, and information management in information systems possible? *Lecture Notes in Computer Science*, 1565:105–122, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1565/15650105.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1565/15650105.pdf>.

**Loucopoulos:1999:EKM**

- [633] Pericles Loucopoulos and Vagelio Kavakli. Enterprise knowledge management and conceptual modelling. *Lecture Notes in Computer Science*, 1565:123–143, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1565/15650123.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1565/15650123.pdf>.

**McCarthy:1999:SMA**

- [634] William E. McCarthy. Semantic modeling in accounting education, practice, and research: Some progress and impediments. *Lecture Notes in Computer Science*, 1565:144–153, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1565/15650144.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1565/15650144.pdf>.

**Miller:1999:PMS**

- [635] John A. Miller, Amit P. Sheth, and Krys J. Kochut. Perspectives in modeling: Simulation, database, and workflow. *Lecture Notes in Computer Science*, 1565:154–167, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1565/15650154.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1565/15650154.pdf>.

**Navathe:1999:CMB**

- [636] Shamkant B. Navathe and Andreas M. Kogelnik. The challenges of modeling biological information for genome databases. *Lecture Notes in Computer Science*, 1565:168–182, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1565/15650168.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1565/15650168.pdf>.

**Rosenthal:1999:TSD**

- [637] Arnon Rosenthal and Len Seligman. Trends and scale-up for data administration. *Lecture Notes in Computer Science*, 1565:183–194, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1565/15650183.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1565/15650183.pdf>.

**Singh:1999:CMM**

- [638] Munindar P. Singh. Conceptual modeling for multiagent systems: Applying interaction-oriented programming. *Lecture Notes in Computer Science*, 1565:195–210, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1565/15650195.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1565/15650195.pdf>.

**Soelvyberg:1999:DWT**

- [639] A. Soelvyberg. Data and what they refer to. *Lecture Notes in Computer Science*, 1565:211–226, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Solvberg:1999:DWT**

- [640] Arne Sølvberg. Data and what they refer to. *Lecture Notes in Computer Science*, 1565:211–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1565/15650211.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1565/15650211.pdf>.

**Thalheim:1999:SM**

- [641] Bernhard Thalheim. The strength of ER modeling. *Lecture Notes in Computer Science*, 1565:227–242, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1565/15650242.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1565/15650242.pdf>.

ny.com/link/service/series/0558/bibs/1565/15650227.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1565/15650227.pdf>.

**Wegner:1999:IFM**

- [642] Peter Wegner and Dina Goldin. Interaction as a framework for modeling. *Lecture Notes in Computer Science*, 1565:243–257, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1565/15650243.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1565/15650243.pdf>.

**Liddle:1999:SEW**

- [643] Stephen W. Liddle, Stephen W. Clyde, and Scott N. Woodfield. A summary of the ER'97 workshop on behavioral modeling. *Lecture Notes in Computer Science*, 1565:258–271, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1565/15650258.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1565/15650258.pdf>.

**Ramesh:1999:WRC**

- [644] Venkataraman Ramesh, Jeffrey Parsons, and Glenn J. Browne. What is the role of cognition in conceptual modeling? A report on the first workshop on cognition and conceptual modeling. *Lecture Notes in Computer Science*, 1565:272–280, 1999. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1565/15650272.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1565/15650272.pdf>.

**Meghini:1999:CMM**

- [645] Carlo Meghini and Fabrizio Sebastiani. Conceptual modeling in multimedia information seeking. *Lecture Notes in Computer Science*, 1565:281–286, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1565/15650281.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1565/15650281.pdf>.

**Chen:1999:FDC**

- [646] Peter P. Chen, Bernhard Thalheim, and Leah Y. Wong. Future directions of conceptual modeling. *Lecture Notes in Computer Science*, 1565:287–302, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1565/15650287.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1565/15650287.pdf>.

**Chen:1999:CIC**

- [647] Peter P. Chen. Current issues of conceptual modeling: A summary of selective active research topics. *Lecture Notes in Computer Science*, 1565:IX–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (elec-

tronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1565/156500IX.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1565/156500IX.pdf>.

**Zadeh:1999:SRR**

- [648] L. A. Zadeh. Some reflections on the relationship between AI and fuzzy logic (FL) — A heretical view. *Lecture Notes in Computer Science*, 1566:1–8, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dubois:1999:PFL**

- [649] D. Dubois and H. Prade. The place of fuzzy logic in AI. *Lecture Notes in Computer Science*, 1566:9–21, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Baldwin:1999:MAF**

- [650] J. F. Baldwin. Mass assignment fundamentals for computing with words. *Lecture Notes in Computer Science*, 1566:22–44, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Narazaki:1999:MUU**

- [651] H. Narazaki and L. Shigaki. A method to use uncertain domain knowledge in the induction of classification knowledge based on ID3. *Lecture Notes in Computer Science*, 1566:45–61, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Baldwin:1999:FLO**

- [652] J. F. Baldwin, T. P. Martin, and M. Vargas-Vera. FRIL++ a language for object-oriented programming

with uncertainty. *Lecture Notes in Computer Science*, 1566:62–78, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dubois:1999:CBR**

- [653] D. Dubois, F. Esteva, P. Garcia, and L. Godo. Case-based reasoning: A fuzzy approach. *Lecture Notes in Computer Science*, 1566:79–90, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Baldwin:1999:SIF**

- [654] J. F. Baldwin, T. P. Martin, and J. G. Shanahan. System identification of fuzzy Cartesian granules feature models using genetic programming. *Lecture Notes in Computer Science*, 1566:91–116, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tano:1999:DFS**

- [655] S. Tano. Deep fusion of symbolic and computational processing for next generation user interface. *Lecture Notes in Computer Science*, 1566:117–132, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Guesgen:1999:RWA**

- [656] H. W. Guesgen. Reasoning with words about geographic information. *Lecture Notes in Computer Science*, 1566:133–148, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bloch:1999:FMF**

- [657] I. Bloch. Fuzzy morphology and fuzzy distances: New definitions and links in both Euclidean and geodesic

cases. *Lecture Notes in Computer Science*, 1566:149–165, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Roux:1999:APT**

- [658] L. Roux. An application of possibility theory information fusion to satellite image classification. *Lecture Notes in Computer Science*, 1566:166–179, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wendling:1999:PRS**

- [659] L. Wendling and J. Desachy. Pattern recognition of strong graphs based on possibilistic  $c$ -means and  $k$ -formulae matching. *Lecture Notes in Computer Science*, 1566:180–189, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zerrouki:1999:FNM**

- [660] L. Zerrouki, B. Bouchon-Meunier, and R. Fondacci. A fuzzy-neural model for co-ordination in air traffic flow management. *Lecture Notes in Computer Science*, 1566:190–204, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zhang:1999:NIC**

- [661] J. Zhang and A. Knoll. From numerical interpolation to constructing intelligent behaviors. *Lecture Notes in Computer Science*, 1566:205–221, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Niskanen:1999:BLD**

- [662] V. A. Niskanen. A brief logopedics for the data used in a neuro-fuzzy milieu. *Lecture Notes in Computer Sci-*

*ence*, 1566:222–233, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ralescu:1999:EFQ**

- [663] A. L. Ralescu, D. A. Ralescu, and K. Hirota. Evaluation of fuzzy quantified expressions. *Lecture Notes in Computer Science*, 1566:234–244, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chen:1999:CSH**

- [664] Haoxun Chen and Hans-Michael Hanisch. Control synthesis of hybrid systems based on predicate invariance. *Lecture Notes in Computer Science*, 1567:1–15, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1567/15670001.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1567/15670001.pdf>.

**Chutinan:1999:CAA**

- [665] Alongkritt Chutinan and Bruce H. Krogh. Computing approximating automata for a class of linear hybrid systems. *Lecture Notes in Computer Science*, 1567:16–37, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1567/15670016.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1567/15670016.pdf>.

**Davoren:1999:HSM**

- [666] J. M. Davoren. On hybrid systems and the modal  $\mu$ -calculus. *Lecture Notes in Computer Science*, 1567:38–69, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1567/15670038.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1567/15670038.pdf>.

**DeSchutter:1999:ELC**

- [667] B. De Schutter and B. De Moor. The extended linear complementarity problem and the modeling and analysis of hybrid systems. *Lecture Notes in Computer Science*, 1567:70–85, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schutter:1999:ELC**

- [668] Bart De Schutter and Bart De Moor. The extended linear complementarity problem and the modeling and analysis of hybrid systems. *Lecture Notes in Computer Science*, 1567:70–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1567/15670070.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1567/15670070.pdf>.

**Ferreira:1999:CSU**

- [669] Enrique D. Ferreira and Bruce H. Krogh. Controller scheduling using neural networks: Implementation and experimental results. *Lecture*

*Notes in Computer Science*, 1567:86–99, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1567/15670086.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1567/15670086.pdf>.

**Gao:1999:RDF**

- [670] Jianping Gao and Qiwen Xu. Rigorous design of a fault diagnosis and isolation algorithm. *Lecture Notes in Computer Science*, 1567:100–121, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1567/15670100.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1567/15670100.pdf>.

**Kohn:1999:SDS**

- [671] Wolf Kohn, Anil Nerode, and Jeffrey B. Rummel. Scalable data and sensor fusion via multiple agent hybrid systems. *Lecture Notes in Computer Science*, 1567:122–141, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1567/15670122.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1567/15670122.pdf>.

**Koutsoukos:1999:HCS**

- [672] Xenofon D. Koutsoukos and Panos J. Antsaklis. Hybrid control systems using timed Petri nets: Supervi-

sory control design based on invariant properties. *Lecture Notes in Computer Science*, 1567:142–162, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1567/15670142.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1567/15670142.pdf>.

**Kowalewski:1999:CST**

- [673] S. Kowalewski, O. Stursberg, M. Fritz, H. Graf, I. Hoffmann, J. Preußig, M. Remelhe, S. Simon, and H. Treseler. A case study in tool-aided analysis of discretely controlled continuous systems: The two tanks problem. *Lecture Notes in Computer Science*, 1567:163–185, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1567/15670163.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1567/15670163.pdf>.

**Lafferriere:1999:HSF**

- [674] Gerardo Lafferriere, George J. Pappas, and Shankar Sastry. Hybrid systems with finite bisimulations. *Lecture Notes in Computer Science*, 1567:186–203, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1567/15670186.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1567/15670186.pdf>.

**Lemmon:1999:EST**

- [675] Michael Lemmon and Christopher J. Bett. Extracting stable timed automata from switched model reference systems. *Lecture Notes in Computer Science*, 1567:204–217, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1567/15670204.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1567/15670204.pdf>.

**Mosterman:1999:SMM**

- [676] Pieter J. Mosterman, Feng Zhao, and Gautam Biswas. Sliding mode model semantics and simulation for hybrid systems. *Lecture Notes in Computer Science*, 1567:218–237, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1567/15670218.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1567/15670218.pdf>.

**Nadjm-Tehrani:1999:TDH**

- [677] Simin Nadjm-Tehrani. Time-deterministic hybrid transition systems. *Lecture Notes in Computer Science*, 1567:238–250, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1567/15670238.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1567/15670238.pdf>.

**Neller:1999:HOD**

- [678] Todd W. Neller. Heuristic optimization and dynamical system safety verification. *Lecture Notes in Computer Science*, 1567:251–261, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1567/15670251.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1567/15670251.pdf>.

**Parisini:1999:HRH**

- [679] T. Parisini and S. Sacone. A hybrid receding-horizon control scheme for nonlinear discrete-time systems. *Lecture Notes in Computer Science*, 1567:262–278, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1567/15670262.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1567/15670262.pdf>.

**Raisch:1999:AAD**

- [680] Jörg Raisch, Eberhard Klein, Siu O’Young, Christian Meder, and Alexander Itigin. Approximating automata and discrete control for continuous systems — two examples from process controll. *Lecture Notes in Computer Science*, 1567:279–303, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1567/15670279.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1567/15670279.pdf>.

[series/0558/papers/1567/15670279.pdf](http://link.springer-ny.com/link/service/series/0558/papers/1567/15670279.pdf).

**Roenkoe:1999:ASC**

- [681] M. Roenkoe and A. P. Ravn. Action systems with continuous behaviour. *Lecture Notes in Computer Science*, 1567:304–323, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ronkko:1999:ASC**

- [682] Mauno Rönkkö and Anders P. Ravn. Action systems with continuous behaviour. *Lecture Notes in Computer Science*, 1567:304–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1567/15670304.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1567/15670304.pdf>.

**Seibel:1999:TUH**

- [683] Conrado W. Seibel, Jean-Marie Farines, and José E. R. Cury. Towards using hybrid automata for the mission planning of unmanned aerial vehicles. *Lecture Notes in Computer Science*, 1567:324–340, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1567/15670324.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1567/15670324.pdf>.

**Skafidas:1999:OCS**

- [684] E. Skafidas, R. J. Evans, I. M. Y. Mareels, and A. Nerode. Optimal controller switching for stochastic systems. *Lecture Notes in Computer Science*, 1567:341–355, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1567/15670341.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1567/15670341.pdf>.

**Wang:1999:RCH**

- [685] Le Yi Wang, Pramod P. Khargonekar, and Ali Beydoun. Robust control of hybrid systems: Performance guided strategies. *Lecture Notes in Computer Science*, 1567:356–389, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1567/15670356.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1567/15670356.pdf>.

**Wong-Toi:1999:ASP**

- [686] Howard Wong-Toi. Analysis of slope-parametric rectangular automata. *Lecture Notes in Computer Science*, 1567:390–413, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1567/15670390.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1567/15670390.pdf>.

**Yu:1999:CIT**

- [687] Xinyao Yu and Zongji Chen. Control of interval temporal systems. *Lecture Notes in Computer Science*, 1567:414–428, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1567/15670414.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1567/15670414.pdf>.

**Zhao:1999:PSN**

- [688] Feng Zhao, Shiou C. Loh, and Jeff A. May. Phase-space nonlinear control toolbox: The mangle experience. *Lecture Notes in Computer Science*, 1567:429–444, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1567/15670429.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1567/15670429.pdf>.

**DeFloriani:1999:IPM**

- [689] L. De Floriani, P. Magillo, and E. Puppo. Invited paper: Multiresolution representation of shapes based on cell complexes. *Lecture Notes in Computer Science*, 1568:3–18, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Floriani:1999:IPM**

- [690] Leila De Floriani, Paola Magillo, and Enrico Puppo. Invited paper: Multiresolution representation of shapes based on cell complexes. *Lecture*

*Notes in Computer Science*, 1568:3–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1568/15680003.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1568/15680003.pdf>.

**Borgefors:1999:DDS**

- [691] Gunilla Borgefors, Gabriella Sanniti di Baja, and Stina Svensson. Decomposing digital 3D shapes using a multiresolution structure. *Lecture Notes in Computer Science*, 1568:19–30, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1568/15680019.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1568/15680019.pdf>.

**Feschet:1999:OTC**

- [692] Fabien Feschet and Laure Tougne. Optimal time computation of the tangent of a discrete curve: Application to the curvature. *Lecture Notes in Computer Science*, 1568:31–40, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1568/15680031.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1568/15680031.pdf>.

**Zunic:1999:DMC**

- [693] Jovisa Zunic. The discrete moments of the circles. *Lecture Notes*

*in Computer Science*, 1568:41–49, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1568/15680041.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1568/15680041.pdf>.

**Brimkov:1999:GPT**

- [694] Valentin E. Brimkov and Reneta P. Barneva. Graceful planes and thin tunnel-free meshes. *Lecture Notes in Computer Science*, 1568:53–64, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1568/15680053.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1568/15680053.pdf>.

**Gerard:1999:LCD**

- [695] Yan Gérard. Local configurations of digital hyperplanes. *Lecture Notes in Computer Science*, 1568:65–75, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1568/15680065.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1568/15680065.pdf>.

**Vittone:1999:CFN**

- [696] J. Vittone and J. M. Chassery.  $(n, m)$ -cubes and Farey nets for naive planes understanding. *Lecture Notes in Computer Science*, 1568:76–87, 1999. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1568/15680076.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1568/15680076.pdf>.

**Ayala:1999:DLF**

- [697] R. Ayala, E. Domínguez, A. R. Francés, and A. Quintero. A digital lighting function for strong 26-surfaces. *Lecture Notes in Computer Science*, 1568:91–103, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1568/15680091.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1568/15680091.pdf>.

**Fourey:1999:INP**

- [698] Sébastien Fourey and Rémy Malgouyres. Intersection number of paths lying on a digital surface and a new Jordan theorem. *Lecture Notes in Computer Science*, 1568:104–117, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1568/15680104.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1568/15680104.pdf>.

**Kovalevsky:1999:TMS**

- [699] Vladimir Kovalevsky. A topological method of surface representation. *Lecture Notes in Computer Science*, 1568:118–135, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349

(electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1568/15680118.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1568/15680118.pdf>.

**Malgouyres:1999:PGF**

- [700] Rémy Malgouyres. Presentation of the fundamental group in digital surfaces. *Lecture Notes in Computer Science*, 1568:136–150, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1568/15680136.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1568/15680136.pdf>.

**Kuba:1999:IPR**

- [701] Attila Kuba. Invited paper: Reconstruction in different classes of 2D discrete sets. *Lecture Notes in Computer Science*, 1568:153–163, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1568/15680153.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1568/15680153.pdf>.

**Giesen:1999:CRA**

- [702] Joachim Giesen. Curve reconstruction in arbitrary dimension and the traveling salesman problem. *Lecture Notes in Computer Science*, 1568:164–176, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1568/15680176.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1568/15680176.pdf>.

ny.com/link/service/series/0558/bibs/1568/15680164.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1568/15680164.pdf>.

**Matsumoto:1999:SSS**

- [703] Y. Matsumoto, K. Fujimura, and T. Kitamura. Shape-from-silhouette/stereo and its application to 3-D digitizer. *Lecture Notes in Computer Science*, 1568:177–188, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1568/15680177.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1568/15680177.pdf>.

**Serra:1999:IPS**

- [704] Jean Serra. Invited paper: Set connections and discrete filtering. *Lecture Notes in Computer Science*, 1568:191–206, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1568/15680191.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1568/15680191.pdf>.

**Ahronovitz:1999:TOT**

- [705] Ehoud Ahronovitz, Christophe Fiorio, and Sylvain Glaize. Topological operators on the topological graph of frontiers. *Lecture Notes in Computer Science*, 1568:207–217, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1568/15680207.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1568/15680207.pdf>.

ny.com/link/service/series/0558/bibs/1568/15680207.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1568/15680207.pdf>.

**Bertrand:1999:NND**

- [706] Gilles Bertrand. New notions for discrete topology. *Lecture Notes in Computer Science*, 1568:218–228, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1568/15680218.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1568/15680218.pdf>.

**Bertrand:1999:MDT**

- [707] Gilles Bertrand and Michel Couprie. A model for digital topology. *Lecture Notes in Computer Science*, 1568:229–241, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1568/15680229.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1568/15680229.pdf>.

**Bertrand:1999:BMT**

- [708] Yves Bertrand, Christophe Fiorio, and Yann Pennaneach. Border map: A topological representation for  $n$  D image analysis. *Lecture Notes in Computer Science*, 1568:242–257, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1568/15680242.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1568/15680242.pdf>.

/link.springer-ny.com/link/service/series/0558/papers/1568/15680242.pdf.

**Cointepas:1999:DHD**

- [709] Yann Cointepas, Isabelle Bloch, and Line Garnero. A discrete homotopic deformable model dealing with objects with different local dimensions. *Lecture Notes in Computer Science*, 1568:258–271, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1568/15680258.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1568/15680258.pdf>.

**Eklund:1999:UTM**

- [710] Patrik Eklund and Fredrik Georgsson. Unraveling the thrill of metric image spaces. *Lecture Notes in Computer Science*, 1568:275–285, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1568/15680275.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1568/15680275.pdf>.

**Hagedoorn:1999:MRC**

- [711] Michiel Hagedoorn and Remco Veltkamp. Measuring resemblance of complex patterns. *Lecture Notes in Computer Science*, 1568:286–298, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1568/15680286.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1568/15680286.pdf>.

com/link/service/series/0558/papers/1568/15680286.pdf.

**Mattes:1999:TRI**

- [712] Julian Mattes, Mathieu Richard, and Jacques Demongeot. Tree representation for image matching and object recognition. *Lecture Notes in Computer Science*, 1568:299–309, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1568/15680298.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1568/15680298.pdf>.

**Manzanera:1999:UFS**

- [713] Antoine Manzanera, Thierry M. Bernard, Françoise Prêteux, and Bernard Longuet. Ultra-fast skeleton based on an isotropic fully parallel algorithm. *Lecture Notes in Computer Science*, 1568:313–324, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1568/15680313.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1568/15680313.pdf>.

**Palagyi:1999:DTU**

- [714] Kálmán Palágyi and Attila Kuba. Directional 3D thinning using 8 subiterations. *Lecture Notes in Computer Science*, 1568:325–336, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1568/15680336.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1568/15680336.pdf>.

- bibs/1568/15680325.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1568/15680325.pdf>.
- [715] Vincent Ranwez and Pierre Soille. Order independent homotopic thinning. *Lecture Notes in Computer Science*, 1568:337–346, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1568/15680337.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1568/15680337.pdf>.
- [716] André Lieutier. Invited paper: Computable partial solids and voxels sets. *Lecture Notes in Computer Science*, 1568:349–360, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1568/15680349.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1568/15680349.pdf>.
- [717] Hélymar Balza-Gomez, Jean-Michel Moreau, and Dominique Michelucci. Convex hull of grid points below a line or a convex curve. *Lecture Notes in Computer Science*, 1568:361–374, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1568/15680361.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1568/15680361.pdf>.
- [718] Olivier Devillers and Pierre-Marie M. Gandoin. Rounding Voronoi diagram. *Lecture Notes in Computer Science*, 1568:375–387, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1568/15680375.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1568/15680375.pdf>.
- [719] Oscar Figueiredo, Jean-Pierre Reveillès, and Roger D. Hersch. Digitization of Bézier curves and patches using discrete geometry. *Lecture Notes in Computer Science*, 1568:388–398, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1568/15680388.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1568/15680388.pdf>.
- [720] Mohamed Tajine, Daniel Wagner, and Christian Ronse. Hausdorff discretization and its comparison to other discretization schemes. *Lecture Notes in Computer Science*, 1568:399–410, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1568/15680399.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1568/15680399.pdf>.

series/0558/papers/1568/15680399.pdf.

**Aveneau:1999:DTS**

- [721] Lilian Aveneau, Eric Andres, and Michel Mériaux. The discrete tube: A spatial acceleration technique for efficient diffraction computation. *Lecture Notes in Computer Science*, 1568:413–424, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1568/15680413.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1568/15680413.pdf>.

**Francon:1999:PBV**

- [722] Jean Françon and Laurent Papier. Polyhedrization of the boundary of a voxel object. *Lecture Notes in Computer Science*, 1568:425–434, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1568/15680425.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1568/15680425.pdf>.

**Salam:1999:DRC**

- [723] Ivan Salam, Philippe Nehlig, and Eric Andres. Discrete ray-casting. *Lecture Notes in Computer Science*, 1568:435–446, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1568/15680435.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1568/15680435.pdf>.

series/0558/papers/1568/15680435.pdf.

**Tellier:1999:DNV**

- [724] Pierre Tellier and Isabelle Debled-Rennesson. 3D discrete normal vectors. *Lecture Notes in Computer Science*, 1568:447–458, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1568/15680447.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1568/15680447.pdf>.

**Baufreton:1999:SSA**

- [725] Philippe Baufreton. SACRES: A step ahead in the development of critical avionics applications. *Lecture Notes in Computer Science*, 1569:1–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1569/15690001.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1569/15690001.pdf>.

**Krogh:1999:AHS**

- [726] Bruce H. Krogh. Approximating hybrid system dynamics for analysis and control. *Lecture Notes in Computer Science*, 1569:2–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1569/15690002.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1569/15690002.pdf>.

**Lynch:1999:HLM**

- [727] Nancy Lynch. High-level modeling and analysis of an air-traffic management system. *Lecture Notes in Computer Science*, 1569:3–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1569/15690003.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1569/15690003.pdf>.

**Miller:1999:GCM**

- [728] Chris Miller. Geometric categories, O-minimal structures and control. *Lecture Notes in Computer Science*, 1569:4–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1569/15690004.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1569/15690004.pdf>.

**Alur:1999:PFH**

- [729] Rajeev Alur, Sampath Kannan, and Salvatore La Torre. Polyhedral flows in hybrid automata. *Lecture Notes in Computer Science*, 1569:5–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1569/15690005.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1569/15690005.pdf>.

**Asarin:1999:SPT**

- [730] Eugene Asarin and Oded Maler. As soon as possible: Time optimal control for timed automata. *Lecture Notes in Computer Science*, 1569:19–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1569/15690019.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1569/15690019.pdf>.

**Bemporad:1999:VHS**

- [731] Alberto Bemporad and Manfred Morari. Verification of hybrid systems via mathematical programming. *Lecture Notes in Computer Science*, 1569:31–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1569/15690031.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1569/15690031.pdf>.

**Bournez:1999:OPR**

- [732] Olivier Bournez, Oded Maler, and Amir Pnueli. Orthogonal polyhedra: Representation and computation. *Lecture Notes in Computer Science*, 1569:46–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1569/15690046.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1569/15690046.pdf>.

**Broucke:1999:GAB**

- [733] Mireille Broucke. A geometric approach to bisimulation and verification of hybrid systems. *Lecture Notes in Computer Science*, 1569:61–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1569/15690061.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1569/15690061.pdf>.

**Chutinan:1999:VPI**

- [734] Alongkrit Chutinan and Bruce H. Krogh. Verification of polyhedral-invariant hybrid automata using polygonal flow pipe approximations. *Lecture Notes in Computer Science*, 1569:76–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1569/15690076.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1569/15690076.pdf>.

**Egerstedt:1999:PPF**

- [735] M. Egerstedt, T. J. Koo, F. Hoffmann, and S. Sastry. Path planning and flight controller scheduling for an autonomous helicopter. *Lecture Notes in Computer Science*, 1569:91–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1569/15690091.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1569/15690091.pdf>.

**Greenstreet:1999:RAU**

- [736] Mark R. Greenstreet and Ian Mitchell. Reachability analysis using polygonal projections. *Lecture Notes in Computer Science*, 1569:103–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1569/15690103.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1569/15690103.pdf>.

**Hespanha:1999:SIH**

- [737] J. P. Hespanha and A. Stephen Morse. Scale-independent hysteresis switching. *Lecture Notes in Computer Science*, 1569:117–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1569/15690117.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1569/15690117.pdf>.

**Imura:1999:WPC**

- [738] Jun ichi Imura and Arjan van der Schaft. Well-posedness of a class of piecewise linear systems with no jumps. *Lecture Notes in Computer Science*, 1569:123–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1569/15690123.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1569/15690123.pdf>.

**Lafferriere:1999:NCD**

- [739] Gerardo Lafferriere, George J. Pappas, and Sergio Yovine. A new class of decidable hybrid systems. *Lecture Notes in Computer Science*, 1569:137–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1569/15690137.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1569/15690137.pdf>.

**Lin:1999:SCS**

- [740] Man Lin. Synthesis of control software in a layered architecture from hybrid automata. *Lecture Notes in Computer Science*, 1569:152–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1569/15690152.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1569/15690152.pdf>.

**Mosterman:1999:OHS**

- [741] Pieter J. Mosterman. An overview of hybrid simulation phenomena and their support by simulation packages. *Lecture Notes in Computer Science*, 1569:165–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1569/15690165.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1569/15690165.pdf>.

**Mosterman:1999:BHO**

- [742] Pieter J. Mosterman and Gautam Biswas. Building hybrid observers for complex dynamic systems using model abstractions. *Lecture Notes in Computer Science*, 1569:178–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1569/15690178.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1569/15690178.pdf>.

**Nadjm-Tehrani:1999:BHO**

- [743] S. Nadjm-Tehrani. Building hybrid observers for complex dynamic systems using model abstractions integration of analog and discrete synchronous design. *Lecture Notes in Computer Science*, 1569:193–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nadjm-Tehrani:1999:IAD**

- [744] Simin Nadjm-Tehrani. Integration of analog and discrete synchronous design. *Lecture Notes in Computer Science*, 1569:193–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1569/15690193.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1569/15690193.pdf>.

**Preussig:1999:RAC**

- [745] J. Preußig, O. Stursberg, and S. Kowalewski. Reachability analysis of

a class of switched continuous systems by integrating rectangular approximation and rectangular analysis. *Lecture Notes in Computer Science*, 1569:209–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1569/15690209.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1569/15690209.pdf>.

**Roenkoe:1999:RCB**

- [746] M. Roenkoe and K. Sere. Refinement and continuous behaviour. *Lecture Notes in Computer Science*, 1569:223–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ronkko:1999:RCB**

- [747] Mauno Rönkkö and Kaisa Sere. Refinement and continuous behaviour. *Lecture Notes in Computer Science*, 1569:223–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1569/15690223.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1569/15690223.pdf>.

**Tomlin:1999:CCN**

- [748] Claire Tomlin, John Lygeros, and Shankar Sastry. Computing controllers for nonlinear hybrid systems. *Lecture Notes in Computer Science*, 1569:238–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/>

[bibs/1569/15690238.htm](http://link.springer-ny.com/link/service/series/0558/papers/1569/15690238.pdf); <http://link.springer-ny.com/link/service/series/0558/papers/1569/15690238.pdf>.

**Yfoulis:1999:SOP**

- [749] C. A. Yfoulis, A. Muir, P. E. Wellstead, and N. B. O. L. Pettit. Stabilization of orthogonal piecewise linear systems: Robustness analysis and design. *Lecture Notes in Computer Science*, 1569:256–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1569/15690256.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1569/15690256.pdf>.

**Studer:1999:KES**

- [750] R. Studer, D. Fensel, S. Decker, and V. R. Benjamins. Knowledge engineering — survey and future directions. *Lecture Notes in Computer Science*, 1570:1–23, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dressler:1999:KBD**

- [751] O. Dressler and F. Puppe. Knowledge-based diagnosis — survey and future directions. *Lecture Notes in Computer Science*, 1570:24–46, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Guenther:1999:KBC**

- [752] A. Guenther and C. Kuehn. Knowledge-based configuration — survey and future directions. *Lecture Notes in Computer Science*, 1570:47–66, 1999.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bartsch-Spoerl:1999:CBR**

- [753] B. Bartsch-Spoerl, M. Lenz, and A. Huebner. Case-based reasoning — survey and future directions. *Lecture Notes in Computer Science*, 1570:67–89, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Guckenbiehl:1999:MRU**

- [754] T. Guckenbiehl, H. Milde, B. Neumann, and P. Struss. Meeting re-use requirements of real-life diagnosis applications. *Lecture Notes in Computer Science*, 1570:90–100, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dorn:1999:TRI**

- [755] J. Dorn. Towards reusable intelligent scheduling software. *Lecture Notes in Computer Science*, 1570:101–112, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Abecker:1999:OMK**

- [756] A. Abecker and S. Decker. Organizational memory: Knowledge acquisition, integration, and retrieval issues. *Lecture Notes in Computer Science*, 1570:113–124, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Liao:1999:CKB**

- [757] M. Liao, K. Hinkelmann, A. Abecker, and M. Sintek. A competence knowledge base system as part of the organizational memory. *Lecture Notes in Computer Science*, 1570:125–137, 1999.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nick:1999:PEO**

- [758] M. Nick and C. Tautz. Practical evaluation of an organizational memory using the goal-question-metric technique. *Lecture Notes in Computer Science*, 1570:138–147, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lenz:1999:TCC**

- [759] M. Lenz and A. Glintschert. On texts, cases, and concepts. *Lecture Notes in Computer Science*, 1570:148–156, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lees:1999:ICB**

- [760] B. Lees and J. Corchado. Integrated case-based neural network approach to problem solving. *Lecture Notes in Computer Science*, 1570:157–166, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Epke:1999:PEK**

- [761] K. Epke. PROPLANT — experiences with a knowledge-based system for plant protection. *Lecture Notes in Computer Science*, 1570:167–175, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kaufmann:1999:WKB**

- [762] G. Kaufmann, F. Braun, K. Egli, and M. Hodel. WeKI — A knowledge based system of suva for the assignment of companies to risk related groups. *Lecture Notes in Computer Science*, 1570:176–185, 1999. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Imhof:1999:EST**

- [763] H. Imhof. Expert system technology in aircraft fleet management — the development of SAREX. *Lecture Notes in Computer Science*, 1570:186–192, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schewe:1999:EKB**

- [764] S. Schewe, B. Reinhardt, and C. Betz. Experiences with a knowledge-based tutoring system for student education in rheumatology. *Lecture Notes in Computer Science*, 1570:193–200, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pfisterer:1999:CAE**

- [765] T. Pfisterer and T. Wetter. Computer assisted editing of genomic sequences — why and how we evaluated a prototype. *Lecture Notes in Computer Science*, 1570:201–209, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Knaup:1999:EUC**

- [766] P. Knaup, T. Wiedemann, A. Bachert, and U. Creutzig. Experiences of using a computer-aided therapy planning for pediatric oncology in clinical routine. *Lecture Notes in Computer Science*, 1570:210–217, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hinrichs:1999:EKB**

- [767] H. Hinrichs and K. Panienski. Experiences with knowledge-based data

cleansing at the Epidemiological Cancer Registry of Lower-Saxony. *Lecture Notes in Computer Science*, 1570:218–226, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Callis:1999:BEM**

- [768] J. C. Callis and L. C. Lee. Building electronic marketplaces with the ZEUS agent tool-kit. *Lecture Notes in Computer Science*, 1571:1–24, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Collis:1999:BEM**

- [769] Jaron C. Collis and Lyndon C. Lee. Building electronic marketplaces with the ZEUS agent tool-kit. *Lecture Notes in Computer Science*, 1571:1–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1571/15710001.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1571/15710001.pdf>.

**Parkes:1999:ACC**

- [770] David C. Parkes, Lyle H. Ungar, and Dean P. Foster. Accounting for cognitive costs in on-line auction design. *Lecture Notes in Computer Science*, 1571:25–40, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1571/15710025.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1571/15710025.pdf>.

**Eriksson:1999:SMA**

- [771] Joakim Eriksson, Niclas Finne, and Sverker Janson. SICS MarketSpace — an agent-based market infrastructure. *Lecture Notes in Computer Science*, 1571:41–53, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1571/15710041.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1571/15710041.pdf>.

**Andersson:1999:SCT**

- [772] Martin R. Andersson and Thomas W. Sandholm. Sequencing of contract types for anytime task reallocation. *Lecture Notes in Computer Science*, 1571:54–69, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1571/15710054.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1571/15710054.pdf>.

**Guttman:1999:AMI**

- [773] Robert H. Guttman and Pattie Maes. Agent-mediated integrative negotiation for retail electronic commerce. *Lecture Notes in Computer Science*, 1571:70–90, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1571/15710070.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1571/15710070.pdf>.

**Goldsmith:1999:MAS**

- [774] Steven Y. Goldsmith, Laurence R. Phillips, and Shannon V. Spires. A multi-agent system for coordinating international shipping. *Lecture Notes in Computer Science*, 1571:91–104, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1571/15710091.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1571/15710091.pdf>.

**Steinmetz:1999:BES**

- [775] Erik Steinmetz, John Collins, Scott Jamison, Rashmi Sundareswara, Bamshad Mobasher, and Maria Gini. Bid evaluation and selection in the MAGNET automated contracting system. *Lecture Notes in Computer Science*, 1571:105–125, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1571/15710105.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1571/15710105.pdf>.

**Matos:1999:ECN**

- [776] Noyda Matos and Carles Sierra. Evolutionary computing and negotiating agents. *Lecture Notes in Computer Science*, 1571:126–150, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1571/15710126.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1571/15710126.pdf>.

series/0558/papers/1571/15710126.pdf.

**Garcia:1999:BST**

- [777] Pere Garcia, Eduard Giménez, Lluís Godo, and Juan A. Rodríguez-Aguilar. Bidding strategies for trading agents in auction-based tournaments. *Lecture Notes in Computer Science*, 1571:151–165, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1571/15710151.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1571/15710151.pdf>.

**Padget:1999:CMS**

- [778] Julian Padget and Russell Bradford. A  $\pi$ -calculus model of a Spanish fish market — preliminary report. *Lecture Notes in Computer Science*, 1571:166–188, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1571/15710166.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1571/15710166.pdf>.

**Ghidini:1999:IIE**

- [779] Chiara Ghidini and Luciano Serafini. Information integration for electronic commerce. *Lecture Notes in Computer Science*, 1571:189–206, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1571/15710189.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1571/15710189.pdf>.

series/0558/papers/1571/15710189.pdf.

**Anonymous:1999:AIC**

- [780] Anonymous. Author index. *Lecture Notes in Computer Science*, 1571:207–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/papers/1571/1571auth.pdf>.

**Schapire:1999:TVB**

- [781] Robert E. Schapire. Theoretical views of boosting. *Lecture Notes in Computer Science*, 1572:1–10, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1572/15720001.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1572/15720001.pdf>.

**Sutton:1999:OTQ**

- [782] Richard S. Sutton. Open theoretical questions in reinforcement learning. *Lecture Notes in Computer Science*, 1572:11–17, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1572/15720011.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1572/15720011.pdf>.

**Duffy:1999:GAL**

- [783] Nigel Duffy and David Helmbold. A geometric approach to leveraging weak learners. *Lecture Notes in Computer Science*, 1572:18–33,

1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1572/15720018.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1572/15720018.pdf>.

**Bachrach:1999:QCL**

- [784] Ran Bachrach, Shai Fine, and Eli Shamir. Query by committee, linear separation and random walks. *Lecture Notes in Computer Science*, 1572:34–49, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1572/15720034.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1572/15720034.pdf>.

**Bartlett:1999:HRN**

- [785] Peter Bartlett and Shai Ben-David. Hardness results for neural network approximation problems. *Lecture Notes in Computer Science*, 1572:50–62, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1572/15720050.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1572/15720050.pdf>.

**Dalmau:1999:LQF**

- [786] Víctor Dalmau and Peter Jeavons. Learnability of quantified formulas. *Lecture Notes in Computer Science*, 1572:63–78, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349

(electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1572/15720063.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1572/15720063.pdf>.

**Forster:1999:LMA**

- [787] Jürgen Forster. Learning multiplicity automata from smallest counterexamples. *Lecture Notes in Computer Science*, 1572:79–90, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1572/15720079.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1572/15720079.pdf>.

**Guijarro:1999:ELW**

- [788] David Guijarro, Víctor Lavín, and Vijay Raghavan. Exact learning when irrelevant variables abound. *Lecture Notes in Computer Science*, 1572:91–100, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1572/15720091.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1572/15720091.pdf>.

**Hofmeister:1999:ACA**

- [789] Thomas Hofmeister. An application of codes to attribute-efficient learning. *Lecture Notes in Computer Science*, 1572:101–110, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/>

series/0558/bibs/1572/15720101.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1572/15720101.pdf>.

**Khardon:1999:LRR**

- [790] Roni Khardon. Learning range restricted horn expressions. *Lecture Notes in Computer Science*, 1572:111–125, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1572/15720111.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1572/15720111.pdf>.

**Tadic:1999:ABC**

- [791] Vladislav Tadic. On the asymptotic behavior of a constant stepsize temporal-difference learning algorithm. *Lecture Notes in Computer Science*, 1572:126–137, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1572/15720126.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1572/15720126.pdf>.

**Helmbold:1999:DIA**

- [792] D. P. Helmbold, S. Panizza, and M. K. Warmuth. Direct and indirect algorithms for on-line learning of disjunctions. *Lecture Notes in Computer Science*, 1572:138–152, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1572/15720138.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1572/15720138.pdf>.

[/link.springer-ny.com/link/service/series/0558/papers/1572/15720138.pdf](http://link.springer-ny.com/link/service/series/0558/papers/1572/15720138.pdf).

**Kivinen:1999:AEP**

- [793] Jyrki Kivinen and Manfred K. Warmuth. Averaging expert predictions. *Lecture Notes in Computer Science*, 1572:153–167, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1572/15720153.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1572/15720153.pdf>.

**Kuhlmann:1999:TLL**

- [794] Christian Kuhlmann. On teaching and learning intersection-closed concept classes. *Lecture Notes in Computer Science*, 1572:168–182, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1572/15720168.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1572/15720168.pdf>.

**Ott:1999:ACT**

- [795] Matthias Ott and Frank Stephan. Avoiding coding tricks by hyperrobust learning. *Lecture Notes in Computer Science*, 1572:183–197, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1572/15720183.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1572/15720183.pdf>.

series/0558/papers/1572/15720183.pdf.

**Jain:1999:MCC**

- [796] Sanjay Jain and Arun Sharma. Mind change complexity of learning logic programs. *Lecture Notes in Computer Science*, 1572:198–213, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1572/15720198.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1572/15720198.pdf>.

**Smola:1999:RPM**

- [797] Alex J. Smola, Robert C. Williamson, Sebastian Mika, and Bernhard Schölkopf. Regularized principal manifolds. *Lecture Notes in Computer Science*, 1572:214–229, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1572/15720214.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1572/15720214.pdf>.

**Vayatis:1999:DDV**

- [798] Nicolas Vayatis and Robert Azencott. Distribution-dependent Vapnik–Chervonenkis bounds. *Lecture Notes in Computer Science*, 1572:230–240, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1572/15720230.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1572/15720230.pdf>.

series/0558/papers/1572/15720230.pdf.

**Antos:1999:LBR**

- [799] András Antos. Lower bounds on the rate of convergence of nonparametric pattern recognition. *Lecture Notes in Computer Science*, 1572:241–252, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1572/15720241.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1572/15720241.pdf>.

**Horvath:1999:EEP**

- [800] Márta Horváth. On error estimation for the partitioning classification rule. *Lecture Notes in Computer Science*, 1572:253–262, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1572/15720253.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1572/15720253.pdf>.

**Shawe-Taylor:1999:MDB**

- [801] John Shawe-Taylor and Nello Cristianini. Margin distribution bounds on generalization. *Lecture Notes in Computer Science*, 1572:263–273, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1572/15720263.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1572/15720263.pdf>.

series/0558/papers/1572/15720263.pdf.

**Shawe-Taylor:1999:GPC**

- [802] John Shawe-Taylor and Robert C. Williamson. Generalization performance of classifiers in terms of observed covering numbers. *Lecture Notes in Computer Science*, 1572:274–284, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1572/15720274.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1572/15720274.pdf>.

**Williamson:1999:ENO**

- [803] Robert C. Williamson, Alex J. Smola, and Bernhard Schölkopf. Entropy numbers, operators and support vector kernels. *Lecture Notes in Computer Science*, 1572:285–300, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1572/15720285.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1572/15720285.pdf>.

**Bai:1999:SUE**

- [804] Z. Bai and G. H. Golub. Some unusual eigenvalue problems (invited talk). *Lecture Notes in Computer Science*, 1573:4–19, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gansterer:1999:MSA**

- [805] W. N. Gansterer, D. F. Kvasnicka, and C. W. Ueberhuber. Multi-sweep algorithms for the symmetric eigenproblem. *Lecture Notes in Computer Science*, 1573:20–28, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gimenez:1999:UAP**

- [806] D. Gimenez, V. Hernandez, and A. M. Vidal. A unified approach to parallel block-Jacobi methods for the symmetric eigenvalue problem. *Lecture Notes in Computer Science*, 1573:29–42, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hernandez:1999:CLM**

- [807] V. Hernandez, J. E. Roman, A. M. Vidal, and V. Vidal. Calculation of lambda modes of a nuclear reactor: A parallel implementation using the implicitly restarted Arnoldi method. *Lecture Notes in Computer Science*, 1573:43–57, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nool:1999:PJD**

- [808] M. Nool and A. Van der Ploeg. Parallel Jacobi–Davidson for solving generalized eigenvalue problems. *Lecture Notes in Computer Science*, 1573:58–70, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Basermann:1999:PPS**

- [809] A. Basermann. Parallel preconditioned solvers for large sparse Hermitian eigenproblems. *Lecture Notes in*

*Computer Science*, 1573:71–84, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gimenez:1999:SEP**

- [810] D. Gimenez, C. Jimenez, M. J. Majado, and N. Marin. Solving eigenvalue problems on networks of processors. *Lecture Notes in Computer Science*, 1573:85–99, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Harrar:1999:SLS**

- [811] D. L. Harrar and M. R. Osborne. Solving large-scale eigenvalue problems on vector parallel processors. *Lecture Notes in Computer Science*, 1573:100–113, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Grund:1999:DLS**

- [812] F. Grund. Direct linear solvers for vector and parallel computers. *Lecture Notes in Computer Science*, 1573:114–127, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Garcia-Loureiro:1999:PPS**

- [813] A. J. Garcia-Loureiro, T. F. Pena, J. M. Lopez-Gonzalez, and L. P. Viñas. Parallel preconditioners for solving nonsymmetric linear systems. *Lecture Notes in Computer Science*, 1573:128–141, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Arnal:1999:SAP**

- [814] J. Arnal, V. Migallon, and J. Penades. Synchronous and asynchronous

parallel algorithms with overlap for almost linear systems. *Lecture Notes in Computer Science*, 1573:142–155, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Husbands:1999:PPS**

- [815] P. Husbands and C. Isbell. The parallel problems server: A client-server model for interactive large scale scientific computation. *Lecture Notes in Computer Science*, 1573:156–170, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Barth:1999:PDD**

- [816] T. J. Barth, T. F. Chan, and W.-P. Tang. Parallel domain-decomposition preconditioning for computational fluid dynamics (invited talk). *Lecture Notes in Computer Science*, 1573:176–202, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Coelho:1999:IDS**

- [817] P. J. Coelho. Influence of the discretization scheme on the parallel efficiency of a code for the modelling of a utility boiler. *Lecture Notes in Computer Science*, 1573:203–214, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Vicaire:1999:PAS**

- [818] J.-B. Vicaire, L. Prylli, G. Perrot, and B. Tourancheau. Parallel 3D air-flow simulation on workstation clusters. *Lecture Notes in Computer Science*, 1573:215–226, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Strietzel:1999:PTS**

- [819] M. Strietzel and T. Gerz. Parallel turbulence simulation: Resolving the inertial subrange of the Kolmogorov spectrum. *Lecture Notes in Computer Science*, 1573:227–237, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Areal:1999:SPA**

- [820] P. M. Areal and J. M. L. M. Palma. The study of a parallel algorithm using the laminar backward-facing step flow as a test case. *Lecture Notes in Computer Science*, 1573:238–249, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Moretti:1999:LCD**

- [821] C. O. Moretti, T. N. Bittencourt, and L. F. Martha. A low cost distributed system for FEM parallel structural analysis. *Lecture Notes in Computer Science*, 1573:250–262, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Galbas:1999:DLB**

- [822] H. G. Galbas and O. Kolp. Dynamic load balancing in crashworthiness simulation. *Lecture Notes in Computer Science*, 1573:263–270, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Becker:1999:SCS**

- [823] C. Becker, S. Kilian, and S. Turek. Some concepts of the software package FEAST. *Lecture Notes in Computer Science*, 1573:271–284, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Becket:1999:SCS**

- [824] C. Becket, S. Kilian, and S. Turek. Some concepts of the software package FEAST. *Lecture Notes in Computer Science*, 1573:271–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Walshaw:1999:MMP**

- [825] C. Walshaw, M. Cross, R. Diekmann, and F. Schlimbach. Multilevel mesh partitioning for optimising aspect ratio. *Lecture Notes in Computer Science*, 1573:285–300, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Welch:1999:PDC**

- [826] P. H. Welch. Parallel and distributed computing in education (invited talk). *Lecture Notes in Computer Science*, 1573:301–330, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Vuillemin:1999:RSP**

- [827] J. Vuillemin. Reconfigurable systems: Past and next 10 years. *Lecture Notes in Computer Science*, 1573:334–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Seo:1999:SAF**

- [828] S.-G. Seo, M. J. Downie, G. E. Hearn, and C. Phillips. A systolic algorithm for the factorisation of matrices arising in the field of hydrodynamics. *Lecture Notes in Computer Science*, 1573:355–364, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Espinosa:1999:ADP**

- [829] A. Espinosa, T. Margalef, and E. Luque. Automatic detection of parallel program performance problems. *Lecture Notes in Computer Science*, 1573:365–377, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Suarez:1999:BAM**

- [830] F. J. Suarez and D. F. Garcia. Behavioural analysis methodology oriented to configuration of parallel, real-time and embedded systems. *Lecture Notes in Computer Science*, 1573:378–395, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Figueiredo:1999:SDL**

- [831] R. J. O. Figueiredo, J. A. B. Fortes, and Z. B. Miled. Spatial data locality with respect to degree of parallelism in processor-and-memory hierarchies. *Lecture Notes in Computer Science*, 1573:396–410, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Prieto-Matias:1999:PRD**

- [832] M. Prieto-Matias, I. Martin-Llorente, and F. Tirado. Partitioning regular domains on modern parallel computers. *Lecture Notes in Computer Science*, 1573:411–424, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DelCorral:1999:NAO**

- [833] A. M. Del Corral and J. M. Llaberia. New access order to reduce inter-vector-conflicts. *Lecture Notes in*

*Computer Science*, 1573:425–438, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Villa:1999:RSI**

- [834] L. Villa, R. Espasa, and M. Valero. Registers size influence on vector architectures. *Lecture Notes in Computer Science*, 1573:439–451, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gonzalez:1999:LIL**

- [835] J. Gonzalez and A. Gonzalez. Limits of instruction level parallelism with data value speculation. *Lecture Notes in Computer Science*, 1573:452–465, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Garcia:1999:HPC**

- [836] F. Garcia, J. Carretero, F. Perez, and P. De Miguel. High performance cache management for parallel file systems. *Lecture Notes in Computer Science*, 1573:466–479, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kitajima:1999:USW**

- [837] J. P. Kitajima and S. Porto. Using synthetic workloads for parallel task scheduling improvement analysis. *Lecture Notes in Computer Science*, 1573:480–493, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Franco:1999:DRB**

- [838] D. Franco, I. Garces, and E. Luque. Dynamic routing balancing in parallel computer interconnection networks. *Lecture Notes in Computer Sci-*

ence, 1573:494–507, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Barbosa:1999:ADM**

- [839] J. Barbosa and A. Padilha. Algorithm-dependent method to determine the optimal number of computers in parallel virtual machines. *Lecture Notes in Computer Science*, 1573:508–521, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Martin:1999:LCP**

- [840] M. Martin and B. Chopard. Low cost parallelizing: A way to be efficient. *Lecture Notes in Computer Science*, 1573:522–533, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**VanderSteen:1999:PAS**

- [841] A. J. Van der Steen and R. Van der Pas. A performance analysis of the SGI Origin2000. *Lecture Notes in Computer Science*, 1573:534–547, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Quintana:1999:ICB**

- [842] F. Quintana, R. Espasa, and M. Valero. An ISA comparison between superscalar and vector processors. *Lecture Notes in Computer Science*, 1573:548–560, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Priol:1999:HPC**

- [843] T. Priol. High performance computing for image synthesis (invited talk). *Lecture Notes in Computer Science*, 1573:563–578, 1999. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Laurent:1999:PIM**

- [844] C. Laurent and J. Roman. Parallel implementations of morphological connected operators based on irregular data structures. *Lecture Notes in Computer Science*, 1573:579–592, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Watson:1999:DOC**

- [845] P. Watson. The design of an ODMG compatible parallel object database server (invited talk). *Lecture Notes in Computer Science*, 1573:593–622, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pereira:1999:PBI**

- [846] N. S. A. Pereira. A parallel  $N$ -body integrator using MPI. *Lecture Notes in Computer Science*, 1573:627–639, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sidonio:1999:PBI**

- [847] N. Sidonio and A. Pereira. A parallel  $N$ -body integrator using MPI. *Lecture Notes in Computer Science*, 1573:627–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Borges:1999:PSP**

- [848] C. L. T. Borges and D. M. Falcao. A parallelisation strategy for power systems composite reliability evaluation (best student paper award: Honourable mention). *Lecture Notes in Computer Science*, 1573:640–651, 1999. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Arenaz:1999:HPC**

- [849] M. Arenaz, R. Doallo, G. Garcia, and C. Vazquez. High performance computing of an industrial problem in tribology (best student paper award: First prize). *Lecture Notes in Computer Science*, 1573:652–665, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sawyer:1999:PGM**

- [850] W. Sawyer, L. Takacs, A. Da Silva, and P. Lyster. Parallel grid manipulations in Earth science calculations. *Lecture Notes in Computer Science*, 1573:666–679, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Keppens:1999:SMP**

- [851] R. Keppens and G. Toth. Simulating magnetised plasma with the versatile advection code. *Lecture Notes in Computer Science*, 1573:680–690, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Baraglia:1999:PGA**

- [852] R. Baraglia and R. Perego. Parallel genetic algorithms for hypercube machines. *Lecture Notes in Computer Science*, 1573:691–703, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kim:1999:KEI**

- [853] W. Kim. KDD as an enterprise IT tool: Reality and agenda. *Lecture Notes in Computer Science*, 1574:1–??,

1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Motoda:1999:CAD**

- [854] H. Motoda. Computer assisted discovery of first principle equations from numeric data. *Lecture Notes in Computer Science*, 1574:2–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pawlak:1999:DMR**

- [855] Z. Pawlak. Data mining: A rough set perspective. *Lecture Notes in Computer Science*, 1574:3–12, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Aggarwal:1999:DMT**

- [856] C. C. Aggarwal and P. S. Yu. Data mining techniques for associations, clustering and classification. *Lecture Notes in Computer Science*, 1574:13–23, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lin:1999:DMG**

- [857] T. Y. Lin. Data mining: Granular computing approach. *Lecture Notes in Computer Science*, 1574:24–33, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tsukimoto:1999:REP**

- [858] H. Tsukimoto. Rule extraction from prediction models. *Lecture Notes in Computer Science*, 1574:34–43, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Du:1999:MAR**

- [859] X. Du, Z. Liu, and N. Ishii. Mining association rules on related numeric at-

tributes. *Lecture Notes in Computer Science*, 1574:44–53, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yip:1999:LLB**

- [860] C. L. Yip, K. K. Loo, B. Kao, and D. W. Cheung. LGen — A lattice-based candidate set generation algorithm for I/O efficient association rule mining. *Lecture Notes in Computer Science*, 1574:54–63, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rajamani:1999:EAA**

- [861] K. Rajamani, S. Sung, and A. Cox. Extending the applicability of association rules. *Lecture Notes in Computer Science*, 1574:64–73, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tsai:1999:EAI**

- [862] P. S. M. Tsai, C.-C. Lee, and A. L. P. Chen. An efficient approach for incremental association rule mining. *Lecture Notes in Computer Science*, 1574:74–83, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kryszkiewicz:1999:ARI**

- [863] M. Kryszkiewicz. Association rules in incomplete databases. *Lecture Notes in Computer Science*, 1574:84–93, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pramudiono:1999:PSB**

- [864] I. Pramudiono, T. Shintani, T. Tamura, and M. Kitsuregawa. Parallel SQL based association rule mining on large

scale PC cluster: Performance comparison with directly coded C implementation. *Lecture Notes in Computer Science*, 1574:94–98, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yang:1999:RMH**

- [865] Y. Yang and M. Singhal. H-rule mining in heterogeneous databases. *Lecture Notes in Computer Science*, 1574:99–103, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zhou:1999:IDM**

- [866] A. Zhou, S. Zhou, W. Jin, and Z. Tian. An improved definition of multidimensional, inter-transaction association rule. *Lecture Notes in Computer Science*, 1574:104–108, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hu:1999:IDA**

- [867] K. Hu, Y. Lu, and C. Shi. Incremental discovering association rules: A concept lattice approach. *Lecture Notes in Computer Science*, 1574:109–113, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wu:1999:IPP**

- [868] X. Wu. Induction as pre-processing. *Lecture Notes in Computer Science*, 1574:114–122, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zheng:1999:SAS**

- [869] Z. Zheng and G. I. Webb. Stochastic attribute selection committees with

multiple boosting: Learning more accurate and more stable classifier committees. *Lecture Notes in Computer Science*, 1574:123–132, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yao:1999:ITM**

- [870] Y. Y. Yao, S. K. M. Wong, and C. J. Butz. On information-theoretic measures of attribute importance. *Lecture Notes in Computer Science*, 1574:133–137, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lee:1999:TDF**

- [871] K.-C. Lee. A technique of dynamic feature selection using the feature group mutual information. *Lecture Notes in Computer Science*, 1574:138–142, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Terabe:1999:DPP**

- [872] M. Terabe, O. Katai, T. Sawaragi, and T. Washio. A data pre-processing method using association rules of attributes for improving decision tree. *Lecture Notes in Computer Science*, 1574:143–147, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Singh:1999:ACA**

- [873] L. Singh, B. Chen, R. Haight, and P. Scheuermann. An algorithm for constrained association rule mining in semi-structured data. *Lecture Notes in Computer Science*, 1574:148–158, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zhou:1999:IMS**

- [874] A. Zhou, W. Jin, S. Zhou, and Z. Tian. Incremental mining of schema for semi-structured data. *Lecture Notes in Computer Science*, 1574:159–168, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jiang:1999:DSD**

- [875] M.-F. Jiang, S.-S. Tseng, and C.-J. Tsai. Discovering structure from document databases. *Lecture Notes in Computer Science*, 1574:169–173, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cho:1999:CFM**

- [876] V. Cho and B. Wuethrich. Combining forecasts from multiple textual data sources. *Lecture Notes in Computer Science*, 1574:174–178, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Meng:1999:DKE**

- [877] X. Meng, Y. Zhou, and S. Wang. Domain knowledge extracting in a Chinese natural language interface to databases: NChiq1. *Lecture Notes in Computer Science*, 1574:179–183, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Williams:1999:EHS**

- [878] G. J. Williams. Evolutionary hot spots data mining: An architecture for exploring for interesting discoveries. *Lecture Notes in Computer Science*, 1574:184–193, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Liu:1999:ESR**

- [879] H. Liu, H. Lu, L. Feng, and F. Husain. Efficient search of reliable exceptions. *Lecture Notes in Computer Science*, 1574:194–203, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hilderman:1999:HRI**

- [880] R. J. Hilderman and H. J. Hamilton. Heuristics for ranking the interestingness of discovered knowledge. *Lecture Notes in Computer Science*, 1574:204–209, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tsumoto:1999:ADP**

- [881] S. Tsumoto. Automated discovery of plausible rules based on rough sets and rough inclusion. *Lecture Notes in Computer Science*, 1574:210–219, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Liu:1999:DSR**

- [882] Z. Liu and Z. Xie. Discernibility system in rough sets. *Lecture Notes in Computer Science*, 1574:220–227, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rauber:1999:ALS**

- [883] A. Rauber and D. Merkl. Automatic labeling of self-organizing maps: Making a treasure-map reveal its secrets. *Lecture Notes in Computer Science*, 1574:228–237, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zhang:1999:NNB**

- [884] L. Zhang and B. Zhang. Neural network based classifiers for a vast amount of data. *Lecture Notes in Computer Science*, 1574:238–246, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Prado:1999:ATC**

- [885] H. A. Prado, K. F. Machado, S. R. Frigeri, and P. M. Engel. Accuracy tuning on combinatorial neural model. *Lecture Notes in Computer Science*, 1574:247–251, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kakemoto:1999:SIA**

- [886] Y. Kakemoto and S. Nakasuka. A situated information articulation neural network: VSF network. *Lecture Notes in Computer Science*, 1574:252–257, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Deng:1999:NMD**

- [887] C. Deng and F. Xiong. Neural method for detection of complex patterns in databases. *Lecture Notes in Computer Science*, 1574:258–262, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Shi:1999:PDL**

- [888] X. Shi, M.-C. Chan, and D. Li. Preserve discovered linguistic patterns valid in volatility data environment. *Lecture Notes in Computer Science*, 1574:263–267, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Shibata:1999:IAB**

- [889] D. Shibata, N. Inuzuka, S. Kato, and T. Matsui. An induction algorithm based on fuzzy logic programming. *Lecture Notes in Computer Science*, 1574:268–273, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tsumoto:1999:RDD**

- [890] S. Tsumoto. Rule discovery in databases with missing values based on rough set model. *Lecture Notes in Computer Science*, 1574:274–278, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wang:1999:SKM**

- [891] X. Wang, R. Wang, and J. Wang. Sustainability knowledge mining from human development database. *Lecture Notes in Computer Science*, 1574:279–283, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wada:1999:CDK**

- [892] T. Wada, T. Horiuchi, H. Motoda, and T. Washio. Characterization of default knowledge in ripple down rules method. *Lecture Notes in Computer Science*, 1574:284–295, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ting:1999:IPB**

- [893] K. M. Ting and Z. Zheng. Improving the performance of boosting for naive Bayesian classification. *Lecture Notes in Computer Science*, 1574:296–305, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Newlands:1999:CHC**

- [894] D. A. Newlands and G. I. Webb. Convex hulls in concept induction. *Lecture Notes in Computer Science*, 1574:306–316, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fan:1999:MCK**

- [895] J. Fan and D. Li. Mining classification knowledge based on cloud models. *Lecture Notes in Computer Science*, 1574:317–326, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Estivill-Castro:1999:RCL**

- [896] V. Estivill-Castro and M. E. Houle. Robust clustering of large geo-referenced data sets. *Lecture Notes in Computer Science*, 1574:327–337, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zhou:1999:FAD**

- [897] B. Zhou, D. W. Cheung, and B. Kao. A fast algorithm for density-based clustering in large database. *Lecture Notes in Computer Science*, 1574:338–349, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Melli:1999:LMB**

- [898] G. Melli. A lazy model-based algorithm for on-line classification. *Lecture Notes in Computer Science*, 1574:350–354, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Alsabti:1999:ESP**

- [899] K. Alsabti, S. Ranka, and V. Singh. An efficient space-partitioning based

algorithm for the  $K$ -means clustering. *Lecture Notes in Computer Science*, 1574:355–359, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Su:1999:FCP**

- [900] C.-M. Su, S.-S. Tseng, M.-F. Jiang, and J. C. S. Chen. A fast clustering process for outliers and remainder clusters. *Lecture Notes in Computer Science*, 1574:360–364, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**He:1999:ODM**

- [901] H. He and S. Hawkins. Optimising the distance metric in the nearest neighbour algorithm on a real-world patient classification problem. *Lecture Notes in Computer Science*, 1574:365–369, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zheng:1999:CUC**

- [902] Z. Zheng and B. T. Low. Classifying unseen cases with many missing values. *Lecture Notes in Computer Science*, 1574:370–374, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ho:1999:SMS**

- [903] T. B. Ho, N. B. Nguyen, and T. Morita. Study of a mixed similarity measure for classification and clustering. *Lecture Notes in Computer Science*, 1574:375–379, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Liu:1999:VAE**

- [904] B. Liu, W. Hsu, K. Wang, and S. Chen. Visually aided exploration of interesting association rules. *Lecture Notes in Computer Science*, 1574:380–389, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Han:1999:DSV**

- [905] J. Han and N. Cercone. DVIZ: A system for visualizing data mining. *Lecture Notes in Computer Science*, 1574:390–399, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dai:1999:MCM**

- [906] H. Dai. A minimal causal model learner. *Lecture Notes in Computer Science*, 1574:400–408, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lee:1999:EGB**

- [907] K. L. Lee, G. Lee, and A. L. P. Chen. Efficient graph-based algorithm for discovering and maintaining knowledge in large databases. *Lecture Notes in Computer Science*, 1574:409–419, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Inokuchi:1999:BAG**

- [908] A. Inokuchi, T. Washio, H. Motoda, and K. Kumasawa. Basket analysis for graph structured data. *Lecture Notes in Computer Science*, 1574:420–431, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Neil:1999:ECM**

- [909] J. R. Neil and K. B. Korb. The evolution of causal models: A comparison of Bayesian metrics and structure priors. *Lecture Notes in Computer Science*, 1574:432–437, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Miyahara:1999:KFK**

- [910] T. Miyahara, T. Uchida, T. Kuboyama, and T. Yamamoto. KD-FGS: A knowledge discovery system from graph data using formal graph system. *Lecture Notes in Computer Science*, 1574:438–442, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Guo:1999:PKD**

- [911] Y. Guo and J. Sutiwaraphun. Probing knowledge in distributed data mining. *Lecture Notes in Computer Science*, 1574:443–452, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ras:1999:DES**

- [912] Z. W. Ras and J. M. Zytkow. Discovery of equations and the shared operational semantics in distributed autonomous databases. *Lecture Notes in Computer Science*, 1574:453–463, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zigbed:1999:DMT**

- [913] A. Zigbed, M. Cote, and N. Troudi. The data-mining and the technology of agents to fight the illicit electronic messages. *Lecture Notes in Computer Science*, 1574:464–468, 1999. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zighed:1999:DMT**

- [914] A. Zighed, M. Cote, and N. Troudi. The data-mining and the technology of agents to fight the illicit electronic messages. *Lecture Notes in Computer Science*, 1574:464–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lu:1999:KDS**

- [915] H. Lu, L. Sterling, and A. Wyatt. Knowledge discovery in SportsFinder: An agent to extract sports results from the Web. *Lecture Notes in Computer Science*, 1574:469–473, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Perrochon:1999:EME**

- [916] L. Perrochon, W. Mann, S. Kasriel, and D. C. Luckham. Event mining with event processing networks. *Lecture Notes in Computer Science*, 1574:474–478, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yao:1999:AQM**

- [917] Y. Y. Yao and N. Zhong. An analysis of quantitative measures associated with rules. *Lecture Notes in Computer Science*, 1574:479–488, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cheng:1999:SRL**

- [918] J. Cheng. A strong relevant logic model of epistemic processes in scientific discovery. *Lecture Notes in Computer Science*, 1574:489–493, 1999. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yoshida:1999:DCD**

- [919] T. Yoshida, T. Kondo, and S. Nishida. Discovering conceptual differences among different people via diverse structures. *Lecture Notes in Computer Science*, 1574:494–498, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lobo:1999:OEM**

- [920] O. O. Lobo and M. Numao. Ordered estimation of missing values. *Lecture Notes in Computer Science*, 1574:499–503, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Suzuki:1999:PRD**

- [921] E. Suzuki and T. Ohno. Prediction rule discovery based on dynamic bias selection. *Lecture Notes in Computer Science*, 1574:504–508, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**An:1999:DCA**

- [922] A. An and N. Cercone. Discretization of continuous attributes for learning classification rules. *Lecture Notes in Computer Science*, 1574:509–514, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**BenYahia:1999:BBR**

- [923] S. Ben Yahia and A. Jaoua. BRRA: A based relevant rectangle algorithm for mining relationships in databases. *Lecture Notes in Computer Science*, 1574:515–519, 1999. CODEN LNCSD9.

ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yahia:1999:BBR**

- [924] S. B. Yahia and A. Jaoua. BRRA: A based relevant rectangle algorithm for mining relationships in databases. *Lecture Notes in Computer Science*, 1574:515–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tao:1999:MFD**

- [925] X. Tao, N. Wang, S. Zhou, and A. Zhou. Mining functional dependency rule of relational database. *Lecture Notes in Computer Science*, 1574:520–524, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jiang:1999:TSP**

- [926] R. Jiang, D. Li, and H. Chen. Time-series prediction with cloud models in DMKD. *Lecture Notes in Computer Science*, 1574:525–530, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Saraiva:1999:DSF**

- [927] J. Saraiva and D. Swierstra. Data structure free compilation. *Lecture Notes in Computer Science*, 1575:1–16, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sloane:1999:DEG**

- [928] A. M. Sloane. Debugging Eli-generated compilers with Noosa. *Lecture Notes in Computer Science*, 1575:17–31, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Aycock:1999:FGL**

- [929] J. Aycock and N. Horspool. Faster generalized LR parsing. *Lecture Notes in Computer Science*, 1575:32–46, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Melski:1999:IPP**

- [930] D. Melski and T. Reps. Interprocedural path profiling. *Lecture Notes in Computer Science*, 1575:47–62, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Martin:1999:ECC**

- [931] F. Martin. Experimental comparison of call string and functional approaches to interprocedural analysis. *Lecture Notes in Computer Science*, 1575:63–75, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Debray:1999:LTI**

- [932] S. Debray, R. Muth, and S. Watterson. Link-time improvement of scheme programs. *Lecture Notes in Computer Science*, 1575:76–90, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Knoop:1999:EBR**

- [933] J. Knoop, O. Ruething, and B. Steffen. Expansion-based removal of semantic partial redundancies. *Lecture Notes in Computer Science*, 1575:91–106, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gupta:1999:RPS**

- [934] R. Gupta and R. Bodik. Register pressure sensitive redundancy elimina-

tion. *Lecture Notes in Computer Science*, 1575:107–121, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kaestner:1999:COI**

- [935] D. Kaestner and M. Langenbach. Code optimization by integer linear programming. *Lecture Notes in Computer Science*, 1575:122–136, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Liberatore:1999:EAL**

- [936] V. Liberatore, M. Farach-Colton, and U. Kremer. Evaluation of algorithms for local register allocation. *Lecture Notes in Computer Science*, 1575:137–152, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zhang:1999:ESD**

- [937] C. Zhang, R. Govindarajan, S. Ryan, and G. R. Gao. Efficient state-diagram construction methods for software pipelining. *Lecture Notes in Computer Science*, 1575:153–167, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rivera:1999:CCT**

- [938] G. Rivera and C.-W. Tseng. A comparison of compiler tiling algorithms. *Lecture Notes in Computer Science*, 1575:168–182, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rauchwerger:1999:IIL**

- [939] L. Rauchwerger and D. Patel. Implementation issues of loop-level speculative run-time parallelization. *Lecture*

*Notes in Computer Science*, 1575:183–197, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**VandenBrand:1999:CMM**

- [940] M. Van den Brand, P. Klint, and P. Olivier. Compilation and memory management for ASF+SDF. *Lecture Notes in Computer Science*, 1575:198–213, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Saito:1999:DPC**

- [941] H. Saito, N. Stavrakos, S. Carroll, and C. Polychronopoulos. The design of the PROMIS compiler. *Lecture Notes in Computer Science*, 1575:214–228, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cilio:1999:FPF**

- [942] A. Cilio and H. Corporaal. Floating point to fixed point conversion of C code. *Lecture Notes in Computer Science*, 1575:229–243, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tourwe:1999:OOO**

- [943] T. Tourwe and W. De Meuter. Optimizing object-oriented languages through architectural transformations. *Lecture Notes in Computer Science*, 1575:244–258, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rubin:1999:VCL**

- [944] S. Rubin, D. Bernstein, and M. Rodeh. Virtual cache line: A new technique

to improve cache exploitation for recursive data structures. *Lecture Notes in Computer Science*, 1575:259–273, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DeDinechin:1999:EMS**

- [945] B. D. De Dinechin. Extending modulo scheduling with memory reference merging. *Lecture Notes in Computer Science*, 1575:274–287, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ernst:1999:TMP**

- [946] T. Ernst. TRAPping Modelica with Python. *Lecture Notes in Computer Science*, 1575:288–291, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boekhold:1999:PAC**

- [947] M. Boekhold, I. Karkowski, H. Corporaal, and A. Cilio. A programmable ANSI C code transformation engine. *Lecture Notes in Computer Science*, 1575:292–295, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Anlauff:1999:TSL**

- [948] M. Anlauff, P. W. Kutter, and A. Pierantonio. Tool support for language design and prototyping with montages. *Lecture Notes in Computer Science*, 1575:296–300, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hudak:1999:FRP**

- [949] P. Hudak. Functional reactive programming. *Lecture Notes in Computer Science*, 1576:1–??, 1999. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Benedikt:1999:DLD**

- [950] M. Benedikt, T. Reps, and M. Sagiv. A decidable logic for describing linked data structures. *Lecture Notes in Computer Science*, 1576:2–19, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nielson:1999:ICF**

- [951] F. Nielson and H. R. Nielson. Interprocedural control flow analysis. *Lecture Notes in Computer Science*, 1576:20–39, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sabelfeld:1999:PMS**

- [952] A. Sabelfeld and D. Sands. A per model of secure information flow in sequential programs. *Lecture Notes in Computer Science*, 1576:40–58, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**King:1999:QSD**

- [953] A. King, J.-G. Smaus, and P. Hill. Quotienting share for dependency analysis. *Lecture Notes in Computer Science*, 1576:59–73, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gay:1999:TSC**

- [954] S. Gay and M. Hole. Types and subtypes for client-server interactions. *Lecture Notes in Computer Science*, 1576:74–90, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Flanagan:1999:TSL**

- [955] C. Flanagan and M. Abadi. Types for safe locking. *Lecture Notes in Computer Science*, 1576:91–108, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Barthe:1999:CS**

- [956] G. Barthe and M. J. Frade. Constructor subtyping. *Lecture Notes in Computer Science*, 1576:109–127, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Trifonov:1999:SPL**

- [957] V. Trifonov and Z. Shao. Safe and principled language interoperation. *Lecture Notes in Computer Science*, 1576:128–146, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Norrish:1999:DEC**

- [958] M. Norrish. Deterministic expressions in C. *Lecture Notes in Computer Science*, 1576:147–161, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Poetzsch-Heffter:1999:PLS**

- [959] A. Poetzsch-Heffter and P. Mueller. A programming logic for sequential Java. *Lecture Notes in Computer Science*, 1576:162–176, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Podelski:1999:SBF**

- [960] A. Podelski, W. Charatonik, and M. Mueller. Set-based failure analysis for logic programs and concurrent constraint programs. *Lecture Notes in*

*Computer Science*, 1576:177–192, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Moggi:1999:IMS**

- [961] E. Moggi, W. Taha, Z. El-Abidine Benaisa, and T. Sheard. An idealized MetaML: Simpler, and more expressive. *Lecture Notes in Computer Science*, 1576:193–207, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mycroft:1999:TBD**

- [962] A. Mycroft. Type-based decompilation. *Lecture Notes in Computer Science*, 1576:208–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Danvy:1999:OIC**

- [963] O. Danvy and Z. Yang. An operational investigation of the CPS hierarchy. *Lecture Notes in Computer Science*, 1576:224–242, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Thiemann:1999:HOC**

- [964] P. Thiemann. Higher-order code splicing. *Lecture Notes in Computer Science*, 1576:243–257, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Krishnamurthi:1999:ESP**

- [965] S. Krishnamurthi, Y.-D. Erlich, and M. Felleisen. Expressing structural properties as language constructs. *Lecture Notes in Computer Science*, 1576:258–272, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jansson:1999:PCP**

- [966] P. Jansson and J. Jeuring. Polytypic compact printing and parsing. *Lecture Notes in Computer Science*, 1576:273–287, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Liu:1999:DPS**

- [967] Y. A. Liu and S. D. Stoller. Dynamic programming via static incrementalization. *Lecture Notes in Computer Science*, 1576:288–305, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**VanDeursen:1999:RIR**

- [968] A. Van Deursen, P. Klint, and C. Verhoef. Research issues in the renovation of legacy systems. *Lecture Notes in Computer Science*, 1577:1–21, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Weber:1999:CEI**

- [969] H. Weber. Continuous engineering of information and communication infrastructures. *Lecture Notes in Computer Science*, 1577:22–29, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ancona:1999:FFL**

- [970] D. Ancona, M. Cerioli, and E. Zucca. A formal framework with late binding. *Lecture Notes in Computer Science*, 1577:30–44, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Attanasio:1999:YAR**

- [971] C. Attanasio, F. Corradini, and P. Inverardi. Yet another real-time specification for the steam boiler: Local clocks to statically measure systems performance. *Lecture Notes in Computer Science*, 1577:45–59, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bruni:1999:ETS**

- [972] R. Bruni, J. Meseguer, and U. Montanari. Executable tile specifications for process calculi. *Lecture Notes in Computer Science*, 1577:60–76, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Coscia:1999:JJT**

- [973] E. Coscia and G. Reggio. JTN: A Java-targeted graphic formal notation for reactive and concurrent systems. *Lecture Notes in Computer Science*, 1577:77–97, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fokkink:1999:CEP**

- [974] W. Fokkink and C. Verhoef. Conservative extension in positive/negative conditional term rewriting with applications to software renovation factories. *Lecture Notes in Computer Science*, 1577:98–113, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gaudel:1999:DSI**

- [975] M.-C. Gaudel, C. Houry, and A. Zاملin. Dynamic systems with implicit state. *Lecture Notes in Computer Science*, 1577:114–128, 1999. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lano:1999:RDU**

- [976] K. Lano and A. Evans. Rigorous development in UML. *Lecture Notes in Computer Science*, 1577:129–143, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lopes:1999:UES**

- [977] A. Lopes and J. L. Fiadeiro. Using explicit state to describe architectures. *Lecture Notes in Computer Science*, 1577:144–160, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mueller-Olm:1999:ERC**

- [978] M. Mueller-Olm, B. Steffen, and R. Cleaveland. On the evolution of reactive components — A process-algebraic approach. *Lecture Notes in Computer Science*, 1577:161–175, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nepomniaschy:1999:VDI**

- [979] V. A. Nepomniaschy. Verification of definite iteration over hierarchical data structures. *Lecture Notes in Computer Science*, 1577:176–187, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nipkow:1999:OGI**

- [980] T. Nipkow and L. Prensa Nieto. Owicki/Gries in Isabelle/HOL. *Lecture Notes in Computer Science*, 1577:188–203, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nottegar:1999:SDP**

- [981] C. Nottegar, C. Priami, and P. Degano. Semantic-driven performance evaluation. *Lecture Notes in Computer Science*, 1577:204–218, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tapken:1999:IHG**

- [982] J. Tapken. Implementing hierarchical graph-structures. *Lecture Notes in Computer Science*, 1577:219–233, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Blair:1999:TSM**

- [983] L. Blair, T. Jones, and G. Blair. A tool suite for multi-paradigm specification. *Lecture Notes in Computer Science*, 1577:234–238, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lueth:1999:TIT**

- [984] C. Lueth, H. Tej Kolyang, and B. Krieg-Brueckner. TAS and IsaWin: Tools for transformational program development and theorem proving. *Lecture Notes in Computer Science*, 1577:239–244, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Abadi:1999:SPS**

- [985] M. Abadi. Security protocols and specifications. *Lecture Notes in Computer Science*, 1578:1–13, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Esparza:1999:ATA**

- [986] J. Esparza and J. Knoop. An automata-theoretic approach to interprocedural data-flow analysis. *Lecture Notes in Computer Science*, 1578:14–30, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sangiorgi:1999:RAC**

- [987] D. Sangiorgi. Reasoning about concurrent systems using types. *Lecture Notes in Computer Science*, 1578:31–40, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Aceto:1999:THM**

- [988] L. Aceto and A. Ingolfsdottir. Testing Hennessy–Milner logic with recursion. *Lecture Notes in Computer Science*, 1578:41–55, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Arruabarrena:1999:SLP**

- [989] R. Arruabarrena, P. Lucio, and M. Navarro. A strong logic programming view for static embedded implications. *Lecture Notes in Computer Science*, 1578:56–72, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Baldan:1999:UES**

- [990] P. Baldan, A. Corradini, and U. Montanari. Unfolding and event structure semantics for graph grammars. *Lecture Notes in Computer Science*, 1578:73–89, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Barthe:1999:EC**

- [991] G. Barthe. Expanding the cube. *Lecture Notes in Computer Science*, 1578: 90–103, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Benke:1999:ACT**

- [992] M. Benke. An algebraic characterization of typability in ML with subtyping. *Lecture Notes in Computer Science*, 1578:104–119, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bodei:1999:SAP**

- [993] C. Bodei, P. Degano, F. Nielson, and H. R. Nielson. Static analysis of processes for no read-up and no write-down. *Lecture Notes in Computer Science*, 1578:120–134, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DeBoer:1999:WCO**

- [994] F. S. De Boer. A WP-calculus for OO. *Lecture Notes in Computer Science*, 1578:135–149, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bogaert:1999:RPT**

- [995] B. Bogaert, F. Seynhaeve, and S. Tison. The recognizability problem for tree automata with comparisons between brothers. *Lecture Notes in Computer Science*, 1578:150–164, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boreale:1999:TMT**

- [996] M. Boreale, R. De Nicola, and R. Pugliese. A theory of “may” testing for asynchronous languages. *Lecture Notes in Computer Science*, 1578:165–179, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dantsin:1999:NPT**

- [997] E. Dantsin and A. Voronkov. A nondeterministic polynomial-time unification algorithm for bags, sets and trees. *Lecture Notes in Computer Science*, 1578:180–196, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ghani:1999:CME**

- [998] N. Ghani, V. De Paiva, and E. Ritter. Categorical models of explicit substitutions. *Lecture Notes in Computer Science*, 1578:197–211, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gordon:1999:EPM**

- [999] A. D. Gordon and L. Cardelli. Equational properties of mobile ambients. *Lecture Notes in Computer Science*, 1578:212–226, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Huhn:1999:MCL**

- [1000] M. Huhn, P. Niebert, and F. Wallner. Model checking logics for communicating sequential agents. *Lecture Notes in Computer Science*, 1578:227–242, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lenisa:1999:CCL**

- [1001] M. Lenisa. A complete coinductive logical system for bisimulation equivalence on circular objects. *Lecture Notes in Computer Science*, 1578:243–257, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Maneth:1999:SLG**

- [1002] S. Maneth. String languages generated by total deterministic macro tree transducers. *Lecture Notes in Computer Science*, 1578:258–272, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Muscholl:1999:MSM**

- [1003] A. Muscholl. Matching specifications for message sequence charts. *Lecture Notes in Computer Science*, 1578:273–287, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Narasimha:1999:PTL**

- [1004] M. Narasimha, R. Cleaveland, and P. Iyer. Probabilistic temporal logics via the modal mu-calculus. *Lecture Notes in Computer Science*, 1578:288–305, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Roeckl:1999:CPS**

- [1005] C. Roeckl and D. Sangiorgi. A  $\lambda$ -calculus process semantics of concurrent idealised ALGOL. *Lecture Notes in Computer Science*, 1578:306–321, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kramer:1999:MMM**

- [1006] Jeff Kramer and Jeff Magee. Modelling for mere mortals. *Lecture Notes in Computer Science*, 1579:1–18, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1579/15790001.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1579/15790001.pdf>.

**Friese:1999:IPO**

- [1007] Thomas Friese, Tiziana Margaria, and Thomas Rakow. Integrating printed and online information. *Lecture Notes in Computer Science*, 1579:??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1579/1579doi.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1579/1579doi.pdf>.

**Hsiung:1999:SSV**

- [1008] Pao-Ann Hsiung, Farn Wang, and Yue-Sun Kuo. Scheduling system verification. *Lecture Notes in Computer Science*, 1579:19–33, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1579/15790019.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1579/15790019.pdf>.

**Ryu:1999:PAA**

- [1009] Minsoo Ryu and Seongsoo Hong. A period assignment algorithm for real-time system design. *Lecture Notes in Computer Science*, 1579:34–43, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1579/15790034.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1579/15790034.pdf>.

**Gardner:1999:ASF**

- [1010] Mark K. Gardner and Jane W. S. Liu. Analyzing stochastic fixed-priority real-time systems. *Lecture Notes in Computer Science*, 1579:44–58, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1579/15790044.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1579/15790044.pdf>.

**Tripakis:1999:TDR**

- [1011] Stavros Tripakis. Timed diagnostics for reachability properties. *Lecture Notes in Computer Science*, 1579:59–73, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1579/15790059.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1579/15790059.pdf>.

**Dong:1999:FLP**

- [1012] Yifei Dong, Xiaoqun Du, Y. S. Ramakrishna, C. R. Ramakrishnan, I. V. Ramakrishnan, Scott A. Smolka, Oleg Sokolsky, Eugene W. Stark, and David S. Warren. Fighting livelock in the *i*-protocol: A comparative study of verification tools. *Lecture Notes in Computer Science*, 1579:74–88, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1579/15790074.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1579/15790074.pdf>.

**Pusch:1999:PSJ**

- [1013] Cornelia Pusch. Proving the soundness of a Java bytecode verifier specification in Isabelle/HOL. *Lecture Notes in Computer Science*, 1579:89–103, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1579/15790089.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1579/15790089.pdf>.

**Kreitz:1999:AFT**

- [1014] Christoph Kreitz. Automated fast-track reconfiguration of group communication systems. *Lecture Notes in Computer Science*, 1579:104–118, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1579/15790104.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1579/15790104.pdf>.

series/0558/papers/1579/15790104. pdf.

**Hickey:1999:SPE**

- [1015] Jason Hickey, Nancy Lynch, and Robert van Renesse. Specifications and proofs for ensemble layers. *Lecture Notes in Computer Science*, 1579:119–133, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1579/15790119.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1579/15790119.pdf>.

**Bergeron:1999:AAP**

- [1016] Anne Bergeron and Jean-Christophe Manzoni. An automated analysis of ping-pong interactions in E-mail services. *Lecture Notes in Computer Science*, 1579:134–147, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1579/15790134.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1579/15790134.pdf>.

**Marchignoli:1999:AVC**

- [1017] Davide Marchignoli and Fabio Martinelli. Automatic verification of cryptographic protocols through compositional analysis techniques. *Lecture Notes in Computer Science*, 1579:148–162, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1579/15790148.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1579/15790148.pdf>.

[/link.springer-ny.com/link/service/series/0558/papers/1579/15790148.pdf](http://link.springer-ny.com/link/service/series/0558/papers/1579/15790148.pdf).

**Behrmann:1999:VHS**

- [1018] Gerd Behrmann, Kim G. Larsen, Henrik R. Andersen, Henrik Hulgaaard, and Jørn Lind-Nielsen. Verification of hierarchical state/event systems using reusability and compositionality. *Lecture Notes in Computer Science*, 1579:163–177, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1579/15790163.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1579/15790163.pdf>.

**Rusu:1999:PSP**

- [1019] Vlad Rusu and Eli Singerman. On proving safety properties by integrating static analysis, theorem proving and abstraction. *Lecture Notes in Computer Science*, 1579:178–192, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1579/15790178.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1579/15790178.pdf>.

**Biere:1999:SMC**

- [1020] Armin Biere, Alessandro Cimatti, Edmund Clarke, and Yunshan Zhu. Symbolic model checking without BDDs. *Lecture Notes in Computer Science*, 1579:193–207, 1999. CODEN LNCS9. ISSN 0302-9743 (print),

1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1579/15790193.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1579/15790193.pdf>.

**Abdulla:1999:SVL**

- [1021] Parosh Abdulla, Aurore Annichini, and Ahmed Bouajjani. Symbolic verification of lossy channel systems: Application to the bounded retransmission protocol. *Lecture Notes in Computer Science*, 1579:208–222, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1579/15790208.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1579/15790208.pdf>.

**Delzanno:1999:MCC**

- [1022] Giorgio Delzanno and Andreas Podelski. Model checking in CLP. *Lecture Notes in Computer Science*, 1579:223–239, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1579/15790223.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1579/15790223.pdf>.

**Heljanko:1999:ULP**

- [1023] Keijo Heljanko. Using logic programs with stable model semantics to solve deadlock and reachability problems for 1-safe Petri nets. *Lecture Notes in Computer Science*, 1579:240–254, 1999. CODEN LNCS9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1579/15790240.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1579/15790240.pdf>.

**Montanari:1999:FSV**

- [1024] Ugo Montanari and Marco Pistore. Finite state verification for the asynchronous pi-calculus. *Lecture Notes in Computer Science*, 1579:255–269, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1579/15790255.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1579/15790255.pdf>.

**Basten:1999:PAP**

- [1025] Twan Basten and Jozef Hooman. Process algebra in PVS. *Lecture Notes in Computer Science*, 1579:270–284, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1579/15790270.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1579/15790270.pdf>.

**Hirschhoff:1999:BUT**

- [1026] Daniel Hirschhoff. On the benefits of using the up to techniques for bisimulation verification. *Lecture Notes in Computer Science*, 1579:285–299, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1579/15790285.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1579/15790285.pdf>.

ny.com/link/service/series/0558/bibs/1579/15790285.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1579/15790285.pdf>.

**Li:1999:CSW**

- [1027] Zhoujun Li and Huowang Chen. Computing strong/weak bisimulation equivalences and observation congruence for value-passing processes. *Lecture Notes in Computer Science*, 1579:300–314, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1579/15790300.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1579/15790300.pdf>.

**Kahlouche:1999:HTU**

- [1028] Hakim Kahlouche, César Viho, and Massimo Zendri. Hardware testing using a communication protocol conformance testing tool. *Lecture Notes in Computer Science*, 1579:315–329, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1579/15790315.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1579/15790315.pdf>.

**Kern:1999:LWF**

- [1029] Christoph Kern, Tarik Ono-Tesfaye, and Mark R. Greenstreet. A light-weight framework for hardware verification. *Lecture Notes in Computer Science*, 1579:330–344, 1999. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1579/15790330.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1579/15790330.pdf>.

**Parnas:1999:EET**

- [1030] David Lorge Parnas and Dennis K. Peters. An easily extensible toolset for tabular mathematical expressions. *Lecture Notes in Computer Science*, 1579:345–359, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1579/15790345.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1579/15790345.pdf>.

**Knoop:1999:DFD**

- [1031] Jens Knoop. From DFA-frameworks to DFA-Generators: A unifying multiparadigm approach. *Lecture Notes in Computer Science*, 1579:360–374, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1579/15790360.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1579/15790360.pdf>.

**Spelt:1999:TPB**

- [1032] David Spelt and Susan Even. A theorem prover-based analysis tool for object-oriented databases. *Lecture Notes in Computer Science*, 1579:375–389, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (elec-

tronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1579/15790375.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1579/15790375.pdf>.

**Bakhmurov:1999:DEE**

- [1033] A. G. Bakhmurov, A. P. Kapitonova, and R. L. Smeliansky. DYANA: An environment for embedded system design and analysis. *Lecture Notes in Computer Science*, 1579:390–404, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1579/15790390.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1579/15790390.pdf>.

**Gunter:1999:PET**

- [1034] Elsa L. Gunter and Doron Peled. Path exploration tool. *Lecture Notes in Computer Science*, 1579:405–419, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1579/15790405.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1579/15790405.pdf>.

**Buchholz:1999:MSL**

- [1035] Peter Buchholz and Peter Kemper. Modular state level analysis of distributed systems techniques and tool support. *Lecture Notes in Computer Science*, 1579:420–434, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (elec-

tronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1579/15790420.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1579/15790420.pdf>.

**Stevens:1999:SIS**

- [1036] Perdita Stevens. Some issues in the software engineering of verification tools. *Lecture Notes in Computer Science*, 1579:435–438, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1579/15790435.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1579/15790435.pdf>.

**Braun:1999:EOS**

- [1037] Volker Braun, Jürgen Kreileder, Tiziana Margaria, and Bernhard Steffen. The ETI online service in action. *Lecture Notes in Computer Science*, 1579:439–443, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1579/15790439.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1579/15790439.pdf>.

**Wiederhold:1999:MDH**

- [1038] G. Wiederhold. Mediation to deal with heterogeneous data sources. *Lecture Notes in Computer Science*, 1580:1–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cuthbert:1999:OTS**

- [1039] A. Cuthbert. OpenGIS: Tales from a small market town. *Lecture Notes in Computer Science*, 1580:17–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Landgraf:1999:EEG**

- [1040] G. Landgraf. Evolution of EO/GIS interoperability towards an integrated application infrastructure. *Lecture Notes in Computer Science*, 1580:29–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sargent:1999:FID**

- [1041] P. Sargent. Feature identities, descriptors and handles. *Lecture Notes in Computer Science*, 1580:41–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bishr:1999:GUP**

- [1042] Y. A. Bishr. A global unique persistent object ID for geospatial information sharing. *Lecture Notes in Computer Science*, 1580:55–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ramroop:1999:IAN**

- [1043] S. Ramroop and R. Pascoe. Implementation architecture for a national data center. *Lecture Notes in Computer Science*, 1580:65–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Moeller:1999:ACA**

- [1044] H. L. Moeller, M. Mariucci, and B. Mitschang. Architecture consider-

ations for advanced Earth observation application systems. *Lecture Notes in Computer Science*, 1580:75–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bitter:1999:SDI**

- [1045] P. Bitter. A spatial data infrastructure for the hindu kush — himalayan region. *Lecture Notes in Computer Science*, 1580:91–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kemp:1999:IGE**

- [1046] K. K. Kemp, D. E. Reeve, and D. I. Heywood. Interoperability for GIScience education. *Lecture Notes in Computer Science*, 1580:101–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cranston:1999:AIS**

- [1047] C. B. Cranston, F. Brabec, G. R. Hjalason, and D. Nebert. Adding an interoperable server interface to a spatial database: Implementation experiences with OpenMap[TM]. *Lecture Notes in Computer Science*, 1580:115–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Camara:1999:IPP**

- [1048] G. Camara, R. Thome, U. Freitas, and A. M. V. Monteiro. Interoperability in practice: Problems in semantic conversion from current technology to OpenGIS. *Lecture Notes in Computer Science*, 1580:129–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Doyle:1999:BPO**

- [1049] A. Doyle, D. Dietrick, J. Ebbinghaus, and P. Ladstaetter. Building a prototype OpenGIS[R] demonstration from interoperable GIS components. *Lecture Notes in Computer Science*, 1580:139–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Keller:1999:MSG**

- [1050] S. F. Keller and H. Thalmann. Modeling and sharing graphic presentations of geospatial data. *Lecture Notes in Computer Science*, 1580:151–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cattenstart:1999:TOS**

- [1051] F. C. Cattenstart and H. J. Scholten. Towards OpenGIS systems. *Lecture Notes in Computer Science*, 1580:163–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Uitermark:1999:SGA**

- [1052] H. Uitermark, A. Vogels, and P. Van Oosterom. Semantic and geometric aspects of integrating road networks. *Lecture Notes in Computer Science*, 1580:177–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rodriguez:1999:ASS**

- [1053] M. A. Rodriguez, M. J. Egenhofer, and R. D. Rugg. Assessing semantic similarities among geospatial feature class definitions. *Lecture Notes in Computer Science*, 1580:189–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bishr:1999:PRS**

- [1054] Y. A. Bishr, H. Pundt, and C. Ruether. Proceeding on the road of semantic interoperability — design of a semantic mapper based on a case study from transportation. *Lecture Notes in Computer Science*, 1580:203–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Riedemann:1999:WSG**

- [1055] C. Riedemann and W. Kuhn. What are sports grounds? or: Why semantics requires interoperability. *Lecture Notes in Computer Science*, 1580:217–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Stock:1999:ISS**

- [1056] K. Stock and D. Pullar. Identifying semantically similar elements in heterogeneous spatial databases using predicate logic expressions. *Lecture Notes in Computer Science*, 1580:231–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kemppainen:1999:DMM**

- [1057] H. Kemppainen. Designing a mediator for managing relationships between distributed objects. *Lecture Notes in Computer Science*, 1580:253–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Shimada:1999:GMF**

- [1058] S. Shimada and H. Fukui. Geospatial mediator functions and container-based fast transfer interface in SI3CO test-bed. *Lecture Notes in Computer Science*, 1580:265–??, 1999. CODEN

LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Relly:1999:PPI**

- [1059] L. Relly and U. Roehm. Plug and play: Interoperability in CONCERT. *Lecture Notes in Computer Science*, 1580:277–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Winter:1999:FER**

- [1060] S. Winter and A. U. Frank. Functional extensions of a raster representation for topological relations. *Lecture Notes in Computer Science*, 1580:293–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ladner:1999:SER**

- [1061] R. Ladner, K. Shaw, and M. Abdelguerfi. 3D synthetic environment representation using the “non-manifold 3D winged-edge” data structure. *Lecture Notes in Computer Science*, 1580:305–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Martinoni:1999:PTM**

- [1062] D. Martinoni and B. Schneider. Plugable terrain module — moving digital terrain modelling to a distributed geoprocessing environment. *Lecture Notes in Computer Science*, 1580:315–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Andreoli:1999:CLF**

- [1063] J.-M. Andreoli. The coordination language facility and applications. *Lecture Notes in Computer Science*, 1581:1–5,

1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Eidorff:1999:APT**

- [1064] P. H. Eidorff, F. Henglein, C. Mossin, and H. Niss. AnnoDomini in practice: A type-theoretic approach to the year 2000 problem. *Lecture Notes in Computer Science*, 1581:6–13, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Abrusci:1999:MNC**

- [1065] V. M. Abrusci. Modules in non-commutative logic. *Lecture Notes in Computer Science*, 1581:14–24, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Baillet:1999:ECG**

- [1066] P. Baillet and M. Pedicini. Elementary complexity and geometry of interaction. *Lecture Notes in Computer Science*, 1581:25–39, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Barreiro:1999:QSR**

- [1067] N. Barreiro and T. Ehrhard. Quantitative semantics revisited. *Lecture Notes in Computer Science*, 1581:40–53, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Berardi:1999:TFW**

- [1068] S. Berardi and U. De’Liguoro. Total functionals and well-founded strategies. *Lecture Notes in Computer Science*, 1581:54–68, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Broda:1999:CTP**

- [1069] S. Broda and L. Damas. Counting a type's principal inhabitants. *Lecture Notes in Computer Science*, 1581:69–82, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Damiani:1999:UCD**

- [1070] F. Damiani. Useless-code detection and elimination for PCF with algebraic data types. *Lecture Notes in Computer Science*, 1581:83–97, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**David:1999:EUL**

- [1071] R. David. Every unsolvable lambda term has a decoration. *Lecture Notes in Computer Science*, 1581:98–113, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DiGianantonio:1999:GSU**

- [1072] P. Di Gianantonio, G. Franco, and F. Honsell. Game semantics for untyped lambdaeta-calculus. *Lecture Notes in Computer Science*, 1581:114–128, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dybjer:1999:FAI**

- [1073] P. Dybjer and A. Setzer. A finite axiomatization of inductive-recursive definitions. *Lecture Notes in Computer Science*, 1581:129–146, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fiore:1999:LDS**

- [1074] M. Fiore and A. Simpson. Lambda definability with sums via grothendieck logical relations. *Lecture Notes in Computer Science*, 1581:147–161, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fujita:1999:ETL**

- [1075] K. Fujita. Explicitly typed lambda-calculus for polymorphism and call-by-value. *Lecture Notes in Computer Science*, 1581:162–176, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Goguen:1999:SLF**

- [1076] H. Goguen. Soundness of the logical framework for its typed operational semantics. *Lecture Notes in Computer Science*, 1581:177–197, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hasegawa:1999:LPI**

- [1077] M. Hasegawa. Logical predicates for intuitionistic linear type theories. *Lecture Notes in Computer Science*, 1581:198–212, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Laurent:1999:PPN**

- [1078] O. Laurent. Polarized proof-nets: Proof-nets for LC. *Lecture Notes in Computer Science*, 1581:213–227, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Levy:1999:CPV**

- [1079] P. B. Levy. Call-by-push-value: A subsuming paradigm. *Lecture Notes in*

*Computer Science*, 1581:228–242, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mikami:1999:SAL**

- [1080] S. Mikami and Y. Akama. A study of Abramsky’s linear chemical abstract machine. *Lecture Notes in Computer Science*, 1581:243–257, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**O’Hearn:1999:RIB**

- [1081] P. W. O’Hearn. Resource interpretations, bunched implications and the lambda-calculus. *Lecture Notes in Computer Science*, 1581:258–279, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ohori:1999:CHI**

- [1082] A. Ohori. A Curry–Howard isomorphism for compilation and program execution. *Lecture Notes in Computer Science*, 1581:280–294, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Polakow:1999:NDI**

- [1083] J. Polakow and F. Pfenning. Natural deduction for intuitionistic non-commutative linear logic. *Lecture Notes in Computer Science*, 1581:295–309, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Poll:1999:LAD**

- [1084] E. Poll and J. Zwanenburg. A logic for abstract data types as existential types. *Lecture Notes in Computer Science*, 1581:310–324, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ritter:1999:CES**

- [1085] E. Ritter. Characterising explicit substitutions which preserve termination. *Lecture Notes in Computer Science*, 1581:325–339, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sato:1999:EE**

- [1086] M. Sato, T. Sakurai, and R. Burstall. Explicit environments. *Lecture Notes in Computer Science*, 1581:340–354, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Statman:1999:CJT**

- [1087] R. Statman. Consequences of Jacopini’s theorem: Consistent equalities and equations. *Lecture Notes in Computer Science*, 1581:355–364, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Urban:1999:SNC**

- [1088] C. Urban and G. M. Bierman. Strong normalisation of cut-elimination in classical logic. *Lecture Notes in Computer Science*, 1581:365–380, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zwanenburg:1999:PTS**

- [1089] J. Zwanenburg. Pure type systems with subtyping. *Lecture Notes in Computer Science*, 1581:381–396, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lambek:1999:TGR**

- [1090] J. Lambek. Type grammar revisited. *Lecture Notes in Computer Science*, 1582:1–??, 1999. CODEN LNCSD9.

ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1582/15820001.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1582/15820001.pdf>.

**Bouchard:1999:OP**

- [1091] D. Bouchard. Optimal parameters. *Lecture Notes in Computer Science*, 1582:28–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1582/15820028.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1582/15820028.pdf>.

**Kandulski:1999:SEG**

- [1092] Maciej Kandulski. Strong equivalence of generalized Ajdukiewicz and Lambek grammars. *Lecture Notes in Computer Science*, 1582:54–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1582/15820054.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1582/15820054.pdf>.

**Shaumyan:1999:LPP**

- [1093] Sebastian Shaumyan and Paul Hudak. Linguistic, philosophical, and pragmatic aspects of type-directed natural language parsing. *Lecture Notes in Computer Science*, 1582:70–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1582/15820070.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1582/15820070.pdf>.

<http://link.springer-ny.com/link/service/series/0558/bibs/1582/15820070.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1582/15820070.pdf>.

**Cornell:1999:DRV**

- [1094] Thomas Cornell. Derivational and representational views of minimalist transformational grammar. *Lecture Notes in Computer Science*, 1582:92–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1582/15820092.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1582/15820092.pdf>.

**Morawietz:1999:MLA**

- [1095] Frank Morawietz and Tom Cornell. The MSO logic-automaton connection in linguistics. *Lecture Notes in Computer Science*, 1582:112–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1582/15820112.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1582/15820112.pdf>.

**Hendriks:1999:LTP**

- [1096] Herman Hendriks. The logic of tune, a proof-theoretic analysis of intonation. *Lecture Notes in Computer Science*, 1582:132–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1582/15820132.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1582/15820132.pdf>.

- [//link.springer-ny.com/link/service/series/0558/papers/1582/15820132.pdf](http://link.springer-ny.com/link/service/series/0558/papers/1582/15820132.pdf). **Vilares:1999:OMP**
- [1097] Joshua S. Hodas. A linear logic treatment of phrase structure grammars for unbounded dependencies. *Lecture Notes in Computer Science*, 1582:160–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1582/15820160.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1582/15820160.pdf>. **Hodas:1999:LLT**
- [1098] Dirk Heylen. Underspecification in type-logical grammars. *Lecture Notes in Computer Science*, 1582:180–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1582/15820180.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1582/15820180.pdf>. **Heylen:1999:UTL**
- [1099] Nissim Francez. On fibring feature logics with concatenation logics. *Lecture Notes in Computer Science*, 1582:200–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1582/15820200.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1582/15820200.pdf>. **Francez:1999:FFL**
- [1100] Manuel Vilares, Miguel A. Alonso, and David Cabrero. An operational model for parsing definite clause grammars with infinite terms. *Lecture Notes in Computer Science*, 1582:212–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1582/15820212.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1582/15820212.pdf>. **Vilares:1999:OMP**
- [1101] Zhaohui Luo and Paul Callaghan. Mathematical vernacular and conceptual well-formedness in mathematical language. *Lecture Notes in Computer Science*, 1582:231–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1582/15820231.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1582/15820231.pdf>. **Luo:1999:MVC**
- [1102] Anonymous. Author index. *Lecture Notes in Computer Science*, 1582:251–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/papers/1582/15820251.pdf>. **Anonymous:1999:AId**
- [1103] Daniel Scharstein. 1. introduction. *Lecture Notes in Computer Science*, 1583: **Scharstein:1999:I**

- 1-??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1583/15830001.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1583/15830001.pdf>.
- Scharstein:1999:SIB**
- [1104] Daniel Scharstein. 2. A survey of image-based rendering and stereo. *Lecture Notes in Computer Science*, 1583:23-??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1583/15830023.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1583/15830023.pdf>.
- Scharstein:1999:VS**
- [1105] Daniel Scharstein. 3. view synthesis. *Lecture Notes in Computer Science*, 1583:41-??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1583/15830041.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1583/15830041.pdf>.
- Scharstein:1999:RES**
- [1106] Daniel Scharstein. 4. re-evaluating stereo. *Lecture Notes in Computer Science*, 1583:63-??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1583/15830063.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1583/15830063.pdf>.
- Scharstein:1999:GBS**
- [1107] Daniel Scharstein. 5. gradient-based stereo. *Lecture Notes in Computer Science*, 1583:87-??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1583/15830087.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1583/15830087.pdf>.
- Scharstein:1999:SUD**
- [1108] Daniel Scharstein. 6. stereo using diffusion. *Lecture Notes in Computer Science*, 1583:113-??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1583/15830113.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1583/15830113.pdf>.
- Scharstein:1999:C**
- [1109] Daniel Scharstein. 7. conclusion. *Lecture Notes in Computer Science*, 1583:145-??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1583/15830145.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1583/15830145.pdf>.
- Scharstein:1999:B**
- [1110] Daniel Scharstein. Bibliography. *Lecture Notes in Computer Science*, 1583:149-??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1583/15830149.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1583/15830149.pdf>.

0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/papers/1583/1583bibs.pdf>.

**Scharstein:1999:VSU**

- [1111] D. Scharstein. View synthesis using stereo vision. *Lecture Notes in Computer Science*, 1583:i-xiv + 1–163, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hajek:1999:TTF**

- [1112] P. Hajek. Trakhtenbrot theorem and fuzzy logic. *Lecture Notes in Computer Science*, 1584:1–8, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schwentick:1999:DCL**

- [1113] T. Schwentick. Descriptive complexity, lower bounds and linear time. *Lecture Notes in Computer Science*, 1584:9–28, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yannakakis:1999:TFS**

- [1114] M. Yannakakis and D. Lee. Testing of finite state systems. *Lecture Notes in Computer Science*, 1584:29–44, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kempe:1999:PQF**

- [1115] D. Kempe and A. Schoenegge. On the power of quantifiers in first-order algebraic specification. *Lecture Notes in Computer Science*, 1584:45–57, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Giannotti:1999:ESN**

- [1116] F. Giannotti, G. Manco, M. Nanni, and D. Pedreschi. On the effective semantics of nondeterministic, nonmonotonic, temporal logic databases. *Lecture Notes in Computer Science*, 1584:58–72, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Marek:1999:RPL**

- [1117] V. Marek, I. Pivkina, and M. Truszczyński. Revision programming = logic programming + integrity constraints. *Lecture Notes in Computer Science*, 1584:73–89, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Egly:1999:QSS**

- [1118] U. Egly. Quantifiers and the system KE: Some surprising results. *Lecture Notes in Computer Science*, 1584:90–104, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hoang:1999:CCL**

- [1119] H. K. Hoang. Choice construct and lindstroem logics. *Lecture Notes in Computer Science*, 1584:105–125, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kreidler:1999:MNG**

- [1120] M. Kreidler and D. Seese. Monadic NP and graph minors. *Lecture Notes in Computer Science*, 1584:126–141, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Makowsky:1999:IDP**

- [1121] J. A. Makowsky. Invariant definability and P/poly. *Lecture Notes in Computer Science*, 1584:142–158, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pezzoli:1999:CCE**

- [1122] E. Pezzoli. Computational complexity of Ehrenfeucht-Fraïssé games on finite structures. *Lecture Notes in Computer Science*, 1584:159–170, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Buening:1999:UBM**

- [1123] H. Kleine Buening. An upper bound for minimal resolution refutations. *Lecture Notes in Computer Science*, 1584:171–178, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sadowski:1999:ODA**

- [1124] Z. Sadowski. On an optimal deterministic algorithm for SAT. *Lecture Notes in Computer Science*, 1584:179–187, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Korovina:1999:CPM**

- [1125] M. V. Korovina and O. V. Kudinov. Characteristic properties of majorant-computability over the reals. *Lecture Notes in Computer Science*, 1584:188–203, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Komara:1999:TPP**

- [1126] J. Komara and P. J. Voda. Theorems of Peter and Parsons in com-

puter programming. *Lecture Notes in Computer Science*, 1584:204–223, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Riche:1999:KBU**

- [1127] J. Riche and R. K. Meyer. Kripke, Belnap, Urquhart and relevant decidability and complexity. *Lecture Notes in Computer Science*, 1584:224–240, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Barthe:1999:EUN**

- [1128] G. Barthe. Existence and uniqueness of normal forms in pure type systems with eta-conversion. *Lecture Notes in Computer Science*, 1584:241–259, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Khasidashvili:1999:NTT**

- [1129] Z. Khasidashvili and A. Piperno. Normalization of typable terms by superdevelopments. *Lecture Notes in Computer Science*, 1584:260–282, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Vorobyov:1999:SFN**

- [1130] S. Vorobyov. Subtyping functional + nonempty record types. *Lecture Notes in Computer Science*, 1584:283–297, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Matthes:1999:MFP**

- [1131] R. Matthes. Monotone fixed-point types and strong normalization. *Lecture Notes in Computer Science*, 1584:298–312, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Statman:1999:MPS**

- [1132] R. Statman. Morphisms and partitions of  $V$ -sets. *Lecture Notes in Computer Science*, 1584:313–322, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Simpson:1999:CAE**

- [1133] A. K. Simpson. Computational adequacy in an elementary topos. *Lecture Notes in Computer Science*, 1584:323–342, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Altenkirch:1999:LRI**

- [1134] T. Altenkirch. Logical relations and inductive/coinductive types. *Lecture Notes in Computer Science*, 1584:343–354, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pichler:1999:CS**

- [1135] R. Pichler. On the complexity of  $H$ -subsumption. *Lecture Notes in Computer Science*, 1584:355–371, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bonfante:1999:CCR**

- [1136] G. Bonfante, A. Cichon, J.-Y. Marion, and H. Touzet. Complexity classes and rewrite systems with polynomial interpretation. *Lecture Notes in Computer Science*, 1584:372–384, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Narendran:1999:RCS**

- [1137] P. Narendran, M. Rusinowitch, and R. Verma. RPO constraint solving is

in NP. *Lecture Notes in Computer Science*, 1584:385–398, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Baaz:1999:QEF**

- [1138] M. Baaz and H. Veith. Quantifier elimination in fuzzy logic. *Lecture Notes in Computer Science*, 1584:399–414, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lukasiewicz:1999:MVF**

- [1139] T. Lukasiewicz. Many-valued first-order logics with probabilistic semantics. *Lecture Notes in Computer Science*, 1584:415–429, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schwefel:1999:NC**

- [1140] Hans-Paul Schwefel. Natural computation. *Lecture Notes in Computer Science*, 1585:1–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850001.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850001.pdf>.

**Myung:1999:MLM**

- [1141] Hyun Myung and Jong-Hwan Kim. Multiple Lagrange multiplier method for constrained evolutionary optimization. *Lecture Notes in Computer Science*, 1585:2–9, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850002.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850002.pdf>.

com/link/service/series/0558/papers/1585/15850002.pdf.

**Ohkura:1999:RES**

- [1142] Kazuhiro Ohkura, Yoshiyuki Matsumura, and Kanji Ueda. Robust evolution strategies. *Lecture Notes in Computer Science*, 1585:10–17, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850010.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850010.pdf>.

**Estivill-Castro:1999:HGA**

- [1143] Vladimir Estivill-Castro and Rodolfo Torres-Velázquez. Hybrid genetic algorithm for solving the  $p$ -median problem. *Lecture Notes in Computer Science*, 1585:18–25, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850018.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850018.pdf>.

**Pham:1999:CRL**

- [1144] Binh Pham and Zhongwei Zhang. Correction of reflection lines using genetic algorithms. *Lecture Notes in Computer Science*, 1585:26–33, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850026.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850026.pdf>.

series/0558/papers/1585/15850026.pdf.

**Sasaki:1999:AUC**

- [1145] Takahiro Sasaki and Mario Tokoro. Adaptation under changing environments with various rates of inheritance of acquired characters: Comparison between darwinian and lamarckian evolution. *Lecture Notes in Computer Science*, 1585:34–41, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850034.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850034.pdf>.

**Liang:1999:DCA**

- [1146] Ko-Hsin Liang, Xin Yao, and Charles Newton. Dynamic control of adaptive parameters in evolutionary programming. *Lecture Notes in Computer Science*, 1585:42–49, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850042.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850042.pdf>.

**Yamada:1999:IOS**

- [1147] Takeshi Yamada, Kazuyuki Yoshimura, and Ryohei Nakano. Information operator scheduling by genetic algorithms. *Lecture Notes in Computer Science*, 1585:50–57, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850057.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850057.pdf>.

ny.com/link/service/series/0558/bibs/1585/15850050.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850050.pdf>.

**Carvalho:1999:SRT**

- [1148] P. M. S. Carvalho, L. A. F. M. Ferreira, and L. M. F. Barruncho. Solving radial topology constrained problems with evolutionary algorithms. *Lecture Notes in Computer Science*, 1585:58–65, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850058.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850058.pdf>.

**Burke:1999:ASA**

- [1149] E. K. Burke and D. B. Varley. Automating space allocation in higher education. *Lecture Notes in Computer Science*, 1585:66–73, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850066.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850066.pdf>.

**He:1999:AGA**

- [1150] Hongxing He, Warwick Graco, and Xin Yao. Application of genetic algorithm and  $k$ -nearest neighbour method in medical fraud detection. *Lecture Notes in Computer Science*, 1585:74–81, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (elec-

tronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850074.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850074.pdf>.

**Ishibuchi:1999:ERS**

- [1151] Hisao Ishibuchi and Tomoharu Nakashima. Evolution of reference sets in nearest neighbor classification. *Lecture Notes in Computer Science*, 1585:82–89, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850082.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850082.pdf>.

**Kirley:1999:ICG**

- [1152] Michael Kirley, Xiaodong Li, and David G. Green. Investigation of a cellular genetic algorithm that mimics landscape ecology. *Lecture Notes in Computer Science*, 1585:90–97, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850090.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850090.pdf>.

**Garionis:1999:QNP**

- [1153] Ralf Garionis. Quantifying neighborhood preservation: Joint properties of evolutionary and unsupervised neural learning. *Lecture Notes in Computer Science*, 1585:98–105, 1999. CODEN LNCS9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850098.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850098.pdf>.

**Mandischer:1999:NNE**

- [1154] Martin Mandischer, Hannes Geyer, and Peter Ulbig. Neural networks and evolutionary algorithms for the prediction of thermodynamic properties for chemical engineering. *Lecture Notes in Computer Science*, 1585:106–113, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850106.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850106.pdf>.

**Porter:1999:EFB**

- [1155] Reid Porter and Neil Bergmann. Evolving FPGA based cellular automata. *Lecture Notes in Computer Science*, 1585:114–121, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850114.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850114.pdf>.

**Horii:1999:AIP**

- [1156] Hirosuke Horii, Susumu Kunifuji, and Teruo Matsuzawa. Asynchronous island parallel GA using multi-form subpopulations. *Lecture Notes in Computer Science*, 1585:122–129,

1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850122.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850122.pdf>.

**Anbarasu:1999:MSA**

- [1157] L. A. Anbarasu, P. Narayanasamy, and V. Sundararajan. Multiple sequence alignment using parallel genetic algorithms. *Lecture Notes in Computer Science*, 1585:130–137, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850130.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850130.pdf>.

**Reiser:1999:ELP**

- [1158] Philip G. K. Reiser and Patricia J. Riddle. Evolving logic programs to classify chess-endgame positions. *Lecture Notes in Computer Science*, 1585:138–145, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850138.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850138.pdf>.

**Zhang:1999:GPA**

- [1159] Byoung-Tak Zhang and Dong-Yeon Cho. Genetic programming with active data selection. *Lecture Notes in Computer Science*, 1585:146–153,

1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850146.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850146.pdf>.

**Kim:1999:EPB**

- [1160] Yong-Jae Kim, Dong-Han Kim, and Jong-Hwan Kim. Evolutionary programming-based uni-vector field method for fast mobile robot navigation. *Lecture Notes in Computer Science*, 1585:154–161, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850154.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850154.pdf>.

**Ishinishi:1999:ELA**

- [1161] Masayuki Ishinishi and Akira Namatame. Evolution with learning adaptive functions. *Lecture Notes in Computer Science*, 1585:162–170, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850162.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850162.pdf>.

**Podlich:1999:MPB**

- [1162] D. W. Podlich and M. Cooper. Modelling plant breeding programs as search strategies on a complex response surface. *Lecture Notes*

*in Computer Science*, 1585:171–178, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850171.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850171.pdf>.

**Shimooka:1999:GEG**

- [1163] Hiroaki Shimooka and Yoshiji Fujimoto. Generating equations with genetic programming for control of a movable inverted pendulum. *Lecture Notes in Computer Science*, 1585:179–186, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850179.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850179.pdf>.

**Shiraooka:1999:GEG**

- [1164] H. Shiraooka and Y. Fujimoto. Generating equations with genetic programming for control of a movable inverted pendulum. *Lecture Notes in Computer Science*, 1585:179–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Burke:1999:HTS**

- [1165] Edmund Burke, Patrick De Causmaecker, and Greet Vanden Berghe. A hybrid tabu search algorithm for the nurse rostering problem. *Lecture Notes in Computer Science*, 1585:187–194, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850194.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850194.pdf>.

ny.com/link/service/series/0558/bibs/1585/15850187.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850187.pdf>.

**Sutton:1999:RLP**

- [1166] Richard S. Sutton. Reinforcement learning: Past, present and future. *Lecture Notes in Computer Science*, 1585:195–197, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850195.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850195.pdf>.

**Kawakami:1999:RLC**

- [1167] Hiroshi Kawakami, Osamu Katai, and Tadataka Konishi. A reinforcement learning with condition reduced fuzz rules. *Lecture Notes in Computer Science*, 1585:198–205, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850198.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850198.pdf>.

**Tachibana:1999:GCS**

- [1168] Kanta Tachibana and Takeshi Furuhashi. Generality and conciseness of submodels in hierarchical fuzzy modeling. *Lecture Notes in Computer Science*, 1585:206–214, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850206.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850206.pdf>.

ny.com/link/service/series/0558/bibs/1585/15850206.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850206.pdf>.

**Porto:1999:UEP**

- [1169] V. William Porto. Using evolutionary programming to optimize the allocation of surveillance assets. *Lecture Notes in Computer Science*, 1585:215–222, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850215.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850215.pdf>.

**Kaise:1999:AEN**

- [1170] Naoki Kaise and Yoshiji Fujimoto. Applying the evolutionary neural networks with genetic algorithms to control a rolling inverted pendulum. *Lecture Notes in Computer Science*, 1585:223–230, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850223.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850223.pdf>.

**Fuginaga:1999:ECA**

- [1171] T. Fuginaga, K. Moriwaki, N. Inuzuka, and H. Itoh. Evolving cooperative actions among heterogeneous agents by an evolutionary programming method. *Lecture Notes in Computer Science*, 1585:231–239, 1999.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fujinaga:1999:ECA**

- [1172] Takayuki Fujinaga, Kousuke Moriwaki, Nobuhiro Inuzuka, and Hidenori Itoh. Evolving cooperative actions among heterogeneous agents by an evolutionary programming method. *Lecture Notes in Computer Science*, 1585:231–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850231.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850231.pdf>.

**Yamaguchi:1999:CWW**

- [1173] Toru Yamaguchi, Makoto Sato, Tomohiro Takagi, and Hideki Hashimoto. Cooperative works for welfare agent robot and human using chaotic evolutionary computation. *Lecture Notes in Computer Science*, 1585:240–250, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850240.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850240.pdf>.

**Kohata:1999:ECI**

- [1174] Naoki Kohata, Makoto Sato, Toru Yamaguchi, Takanobu Baba, and Hideki Hashimoto. Evolutionary computation for intelligent agents based on chaotic retrieval and soft DNA. *Lecture Notes in Computer Science*, 1585:251–259, 1999. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850251.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850251.pdf>.

**Aoki:1999:SBC**

- [1175] Keiko Aoki, Kazunori Matsumoto, Keiichi Hoashi, and Kazuo Hashimoto. A study of Bayesian clustering of a document set based on GA. *Lecture Notes in Computer Science*, 1585:260–267, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850260.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850260.pdf>.

**Husbands:1999:EAQ**

- [1176] Phil Husbands and Pedro P. B. de Oliveira. An evolutionary approach in quantitative spectroscopy. *Lecture Notes in Computer Science*, 1585:268–275, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850268.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850268.pdf>.

**Tsujimura:1999:ERF**

- [1177] Yasuhiro Tsujimura and Mitsuo Gen. Evolutionary recognition of features from CAD data. *Lecture Notes in Computer Science*, 1585:276–284, 1999. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850276.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850276.pdf>.

**Johansson:1999:MSG**

- [1178] Stefan Johansson, Bengt Carlsson, and Magnus Boman. Modeling strategies as generous and greedy in Prisoner's Dilemma like games. *Lecture Notes in Computer Science*, 1585:285–292, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850285.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850285.pdf>.

**Chen:1999:UGA**

- [1179] Shu-Heng Chen and Chih-Chi Ni. Using genetic algorithms to simulate the evolution of an oligopoly game. *Lecture Notes in Computer Science*, 1585:293–300, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850293.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850293.pdf>.

**Chert:1999:UGA**

- [1180] S.-H. Chert and C.-C. Ni. Using genetic algorithms to simulate the evolution of an oligopoly game. *Lecture Notes in Computer Science*, 1585:293–??, 1999.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Seo:1999:ESC**

- [1181] Yeon-Gyu Seo and Sung-Bae Cho. An evolutionary study on cooperation in  $N$ -person iterated Prisoner's Dilemma game. *Lecture Notes in Computer Science*, 1585:301–308, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850301.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850301.pdf>.

**Iwasaki:1999:SPM**

- [1182] Atsushi Iwasaki, Sobei H. Oda, and Kanji Ueda. Simulating a  $N$ -person multi-stage game for making a state. *Lecture Notes in Computer Science*, 1585:309–316, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850309.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850309.pdf>.

**Tanaka:1999:LLR**

- [1183] Kimiko Tanaka, Manabu Nii, and Hisao Ishibuchi. Learning from linguistic rules and rule extraction for function approximation by neural networks. *Lecture Notes in Computer Science*, 1585:317–324, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850324.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850324.pdf>.

ny.com/link/service/series/0558/bibs/1585/15850317.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850317.pdf>.

**Imada:1999:CNM**

- [1184] Akira Imada and Keijiro Araki. Can a niching method locate multiple attractors embedded in the Hopfield network? *Lecture Notes in Computer Science*, 1585:325–332, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850325.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850325.pdf>.

**Liu:1999:TSP**

- [1185] Yong Liu and Xin Yao. Time series prediction by using negatively correlated neural networks. *Lecture Notes in Computer Science*, 1585:333–340, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850333.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850333.pdf>.

**Li:1999:AEP**

- [1186] An Li and Kit Po Wong. Animating the evolution process of genetic algorithms. *Lecture Notes in Computer Science*, 1585:341–348, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850341.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850341.pdf>.

ny.com/link/service/series/0558/bibs/1585/15850341.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850341.pdf>.

**Niwa:1999:AIM**

- [1187] Tatsuya Niwa and Masaru Tanaka. Analysis on the island model parallel genetic algorithms for the genetic drifts. *Lecture Notes in Computer Science*, 1585:349–356, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850349.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850349.pdf>.

**Tonkes:1999:PNE**

- [1188] Bradley Tonkes, Alan Blair, and Janet Wiles. A paradox of neural encoders and decoders or why don't we talk backwards? *Lecture Notes in Computer Science*, 1585:357–364, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850357.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850357.pdf>.

**Djurisic:1999:COU**

- [1189] Aleksandra B. Djurisic, Aleksandar D. Rakic, E. Herbert Li, Marijan L. Majewski, Nenad Bundaleski, and Bozidar V. Stanic. Continuous optimization using elite genetic algorithms with adaptive mutations. *Lecture Notes*

- in Computer Science*, 1585:365–372, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850365.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850365.pdf>.
- Zebulum:1999:ESA**
- [1190] Ricardo S. Zebulum, Marco Aurélio Pacheco, and Marley Vellasco. Evolutionary systems applied to the synthesis of a CPU controller. *Lecture Notes in Computer Science*, 1585:373–380, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850373.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850373.pdf>.
- Gero:1999:NME**
- [1191] John S. Gero. Novel models in evolutionary designing. *Lecture Notes in Computer Science*, 1585:381–388, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850381.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850381.pdf>.
- Blair:1999:CED**
- [1192] Alan D. Blair, Elizabeth Sklar, and Pablo Funes. Co-evolution, determinism and robustness. *Lecture Notes in Computer Science*, 1585:389–396, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850389.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850389.pdf>.
- Hallinan:1999:COE**
- [1193] Jennifer Hallinan and Paul Jackway. Co-operative evolution of a neural classifier and feature subset. *Lecture Notes in Computer Science*, 1585:397–404, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850397.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850397.pdf>.
- Wong:1999:OPF**
- [1194] Kit Po Wong and Jason Yuryevich. Optimal power flow method using evolutionary programming. *Lecture Notes in Computer Science*, 1585:405–412, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850405.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850405.pdf>.
- Cho:1999:GDE**
- [1195] Sung-Bae Cho and Katsunori Shimohara. Grammatical development of evolutionary modular neural networks. *Lecture Notes in Computer Science*, 1585:413–420,

1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850413.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850413.pdf>.

**Gen:1999:HNN**

- [1196] Mitsuo Gen, Kenichi Ida, and Chang-Yun Lee. Hybridized neural network and genetic algorithms for solving nonlinear integer programming problem. *Lecture Notes in Computer Science*, 1585:421–430, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850421.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850421.pdf>.

**Runarsson:1999:EGC**

- [1197] Thomas Philip Runarsson and Magnus Thor Jonsson. Evolution of gene coordination networks. *Lecture Notes in Computer Science*, 1585:430–437, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850430.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850430.pdf>.

**Hall:1999:ASI**

- [1198] Richard Hall, Binh Pham, and John Yearwood. Adaptive simulation: An implementation framework. *Lecture*

*Notes in Computer Science*, 1585:438–445, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850438.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850438.pdf>.

**Akira:1999:MMA**

- [1199] Yoshida Akira. A model of mutual associative memory for simulations of evolution and learning. *Lecture Notes in Computer Science*, 1585:446–453, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850446.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850446.pdf>.

**Oda:1999:ACA**

- [1200] Sobei H. Oda, Kouhei Iyori, Miura Ken, and Kanji Ueda. The application of cellular automata to the consumer's theory: Simulating a duopolistic market. *Lecture Notes in Computer Science*, 1585:454–461, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850454.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850454.pdf>.

**Lai:1999:OOG**

- [1201] L. L. Lai, H. Subasinghe, N. Rajkumar, E. Vaseekar, B. J. Gwyn, and

V. K. Sood. Object-oriented genetic algorithm based artificial neural network for load forecasting. *Lecture Notes in Computer Science*, 1585:462–469, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1585/15850462.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1585/15850462.pdf>.

**Mueller:1999:WHL**

- [1202] F. Mueller. Workshop on high-level parallel programming models and supportive environments. *Lecture Notes in Computer Science*, 1586:1–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Subramanian:1999:EPP**

- [1203] R. Subramanian and S. Pande. Efficient program partitioning based on compiler controlled communication. *Lecture Notes in Computer Science*, 1586:4–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schulz:1999:SVF**

- [1204] M. Schulz. SCI-VM: A flexible base for transparent shared memory programming models on clusters of PCs. *Lecture Notes in Computer Science*, 1586:19–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nolte:1999:Fco**

- [1205] J. Nolte. Flexible collective operations for distributed object groups. *Lecture*

*Notes in Computer Science*, 1586:34–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sun:1999:SFP**

- [1206] X.-H. Sun, M. Pantano, T. Fahringer, and Z. Zhan. SCALA: A framework for performance evaluation of scalable computing. *Lecture Notes in Computer Science*, 1586:49–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mou:1999:RID**

- [1207] Z. G. Mou. Recursive individually distributed objects. *Lecture Notes in Computer Science*, 1586:63–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Leberecht:1999:MSF**

- [1208] M. Leberecht. The MuSE system: A flexible combination of on-stack execution and work-stealing. *Lecture Notes in Computer Science*, 1586:79–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Spiegel:1999:PAD**

- [1209] A. Spiegel. Pangaea: An automatic distribution front-end for Java. *Lecture Notes in Computer Science*, 1586:93–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fodor:1999:CLS**

- [1210] E. F. Fodor and R. A. Olsson. Concurrent language support for interoperable applications. *Lecture Notes in Computer Science*, 1586:100–??, 1999.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Keller:1999:DIA**

- [1211] G. Keller and M. M. T. Chakravarty. On the distributed implementation of aggregate data by program transformation structures. *Lecture Notes in Computer Science*, 1586:108–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gorlatch:1999:TFS**

- [1212] S. Gorlatch and S. Pelagatti. A transformational framework for skeletal programs: Overview and case study. *Lecture Notes in Computer Science*, 1586:123–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kusakabe:1999:INS**

- [1213] S. Kusakabe, K. Inenaga, M. Amamiya, and X. Tang. Implementing a non-strict functional programming language on a threaded architecture. *Lecture Notes in Computer Science*, 1586:138–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zomaya:1999:WBI**

- [1214] A. Y. Zomaya, F. Ercal, and S. Olariu. Workshop on biologically inspired solutions to parallel processing problems. *Lecture Notes in Computer Science*, 1586:153–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**King:1999:BBI**

- [1215] R. L. King, A. B. Lambert, S. H. Russ, and D. S. Reese. The biological ba-

sis of the immune system as a model for intelligent agents. *Lecture Notes in Computer Science*, 1586:156–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Szuba:1999:FDP**

- [1216] T. Szuba. A formal definition of the phenomenon of collective intelligence and its IQ measure. *Lecture Notes in Computer Science*, 1586:165–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wasiewicz:1999:IDF**

- [1217] P. Wasiewicz, P. Borsuk, J. J. Mularwka, and P. Weglenski. Implementation of data flow logical operations via self-assembly of DNA. *Lecture Notes in Computer Science*, 1586:174–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Vianna:1999:PHE**

- [1218] D. S. Vianna, L. S. Ochi, and L. M. A. Drummond. A parallel hybrid evolutionary metaheuristic for the period vehicle routing problem. *Lecture Notes in Computer Science*, 1586:183–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Seredynski:1999:DSD**

- [1219] F. Seredynski, J. Koronacki, and C. Z. Janikow. Distributed scheduling with decomposed optimization criterion: Genetic programming approach. *Lecture Notes in Computer Science*, 1586:192–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Alaoui:1999:PGA**

- [1220] S. M. Alaoui, O. Frieder, and T. El-Ghazawi. A parallel genetic algorithm for task mapping on parallel machines. *Lecture Notes in Computer Science*, 1586:201–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jedrzejowicz:1999:EBS**

- [1221] P. Jedrzejowicz, I. Czarnowski, H. Szreder, and A. Skakowski. Evolution-based scheduling of fault-tolerant programs on multiple processors. *Lecture Notes in Computer Science*, 1586:210–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lob:1999:GBF**

- [1222] P. K. K. Lob and V. Shaw. A genetic-based fault-tolerant routing strategy for multiprocessor networks. *Lecture Notes in Computer Science*, 1586:220–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Leopold:1999:RCI**

- [1223] C. Leopold. Regularity considerations in instance-based locality optimization. *Lecture Notes in Computer Science*, 1586:230–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Talbi:1999:PAC**

- [1224] E.-G. Talbi, O. Roux, C. Fonlupt, and D. Robillard. Parallel ant colonies for combinatorial optimization problems. *Lecture Notes in Computer Science*, 1586:239–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Alba:1999:ASA**

- [1225] E. Alba and J. M. Troya. An analysis of synchronous and asynchronous parallel distributed genetic algorithms with structured and panmictic islands. *Lecture Notes in Computer Science*, 1586:248–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chalermwat:1999:GBP**

- [1226] P. Chalermwat, T. El-Chazawi, and J. LeMoigne. GA-based parallel image registration on parallel clusters. *Lecture Notes in Computer Science*, 1586:257–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sena:1999:IPG**

- [1227] C. Sena, G. Isem, and D. Megherbi. Implementation of a parallel genetic algorithm on a cluster of workstations: The traveling salesman problem, A case study. *Lecture Notes in Computer Science*, 1586:266–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boeleoni:1999:SBM**

- [1228] L. Boeleoni, R. Hao, K. Jun, and D. C. Marinescu. Structural biology metaphors applied to the design of a distributed object system. *Lecture Notes in Computer Science*, 1586:275–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ravindran:1999:WPD**

- [1229] B. Ravindran, J. Gustafsson, and H. Takada. Workshop on parallel and

distributed real-time systems. *Lecture Notes in Computer Science*, 1586:284–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chen:1999:BAM**

- [1230] L. Chen, S. Khan, K. F. Li, and E. G. Manning. Building an adaptive multimedia system using the utility mode. *Lecture Notes in Computer Science*, 1586:289–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rajagopat:1999:ERT**

- [1231] P. Rajagopat and A. W. Apon. Evaluation of real-time fiber communications for parallel collective operations. *Lecture Notes in Computer Science*, 1586:299–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dinda:1999:CPB**

- [1232] P. A. Dinda, L. F. Kallivokas, B. Lowekamp, and D. R. O’Hallaron. The case for prediction-based best-effort real-time systems. *Lecture Notes in Computer Science*, 1586:309–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mittal:1999:DRT**

- [1233] A. Mittal, G. Manimaran, and C. S. R. Murthy. Dynamic real-time channel establishment in multiple access bus networks. *Lecture Notes in Computer Science*, 1586:319–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lam:1999:SBP**

- [1234] K.-Y. Lam, T.-W. Kuo, G. C. K. Law, and W.-H. Tsang. A similarity-based protocol for concurrency control in mobile distributed real-time database systems. *Lecture Notes in Computer Science*, 1586:329–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tovar:1999:TSS**

- [1235] E. Tovar and F. Vasques. From task scheduling in single processor environments to message scheduling in a PROFIBUS fieldbus network. *Lecture Notes in Computer Science*, 1586:339–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Clark:1999:ADA**

- [1236] R. Clark, E. D. Jensen, A. Kanevsky, and J. Maurer. An adaptive distributed airborne tracking system. *Lecture Notes in Computer Science*, 1586:353–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jonsson:1999:NPS**

- [1237] J. Jonsson, H. Loenn, and K. G. Shin. Non-preemptive scheduling of real-time threads on multi-level-context architectures. *Lecture Notes in Computer Science*, 1586:363–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nat-Abdesselam:1999:QCA**

- [1238] F. Nat-Abdesselam and N. Agoulmine. QoS control and adaptation in distributed multimedia systems. *Lecture*

*Notes in Computer Science*, 1586:375–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Campelo:1999:DEF**

- [1239] J. C. Campelo, P. Yuste, F. Rodriguez, and P. J. Gil. Dependability evaluation of fault tolerant distributed industrial control systems. *Lecture Notes in Computer Science*, 1586:384–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chappell:1999:AMI**

- [1240] B. L. Chappell, D. T. Marlow, P. M. Ivey, and K. O’Donoghue. An approach for measuring IP security performance in a distributed environment. *Lecture Notes in Computer Science*, 1586:389–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fagundes:1999:EGA**

- [1241] L. G. Fagundes, R. F. Mello, and C. E. Mdron. An environment for generating applications involving remote manipulation of parallel machines. *Lecture Notes in Computer Science*, 1586:395–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gentile:1999:RTI**

- [1242] A. Gentile, Y. L. Cruz-Rivera, D. S. Wills, and L. Bustelo. Real-time image processing on a focal plane SIMD array. *Lecture Notes in Computer Science*, 1586:400–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ivey:1999:MEM**

- [1243] P. M. Ivey and D. T. Marlow. Metrics for the evaluation of multicast communications. *Lecture Notes in Computer Science*, 1586:406–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jaeyong:1999:DPW**

- [1244] K. Jaeyong, K. Kihan, and S. Heonshik. Distributing periodic workload uniformly across time to achieve better service quality. *Lecture Notes in Computer Science*, 1586:413–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Huang:1999:DFT**

- [1245] J.-M. Huang and T. C. Yang. A dynamic fault-tolerant mesh architecture. *Lecture Notes in Computer Science*, 1586:418–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Livani:1999:EHR**

- [1246] Mohammad Ali Livani and J. Kaiser. Evaluation of a hybrid real-time bus scheduling mechanism for CAN. *Lecture Notes in Computer Science*, 1586:425–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nakajima:1999:SSM**

- [1247] T. Nakajima, M. T. Kone, and H. Aizu. System support for migratory continuous media applications in distributed real-time environments. *Lecture Notes in Computer Science*, 1586:430–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chatterjee:1999:DAS**

- [1248] S. Chatterjee. Dynamic application structuring on heterogeneous, distributed systems. *Lecture Notes in Computer Science*, 1586:442–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Niehaus:1999:ISM**

- [1249] D. Niehaus. Improving support for multimedia system experimentation and deployment. *Lecture Notes in Computer Science*, 1586:454–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Olsson:1999:WRT**

- [1250] R. Olsson, L. V. Kale, P. Beckman, and M. Haines. Workshop on runtime systems for parallel programming. *Lecture Notes in Computer Science*, 1586:466–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bouge:1999:ECM**

- [1251] L. Bouge, J.-F. Mehaut, and R. Namyst. Efficient communications in multithreaded runtime systems. *Lecture Notes in Computer Science*, 1586:468–482, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kale:1999:APL**

- [1252] L. Kale, R. Brunner, J. Phillips, and K. Varadarajan. Application performance of a Linux cluster using Converse. *Lecture Notes in Computer Science*, 1586:483–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Antoniou:1999:ETT**

- [1253] G. Antoniu, L. Bouge, and R. Namyst. An efficient and transparent thread migration scheme in the PM2 runtime system. *Lecture Notes in Computer Science*, 1586:496–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Thitikamol:1999:CIP**

- [1254] K. Thitikamol and P. Keleher. Communication-intensive parallel applications and non-dedicated clusters of workstations. *Lecture Notes in Computer Science*, 1586:511–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Simitci:1999:FAS**

- [1255] H. Simitci, D. A. Reed, R. Fox, and M. Medina. A framework for adaptive storage input/output on computational grids. *Lecture Notes in Computer Science*, 1586:519–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nieplocha:1999:APR**

- [1256] J. Nieplocha and B. Carpenter. ARMCI: A portable remote memory copy library for distributed array libraries and compiler run-time systems. *Lecture Notes in Computer Science*, 1586:533–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Seidmann:1999:MBR**

- [1257] T. Seidmann. Multicast-based runtime system for highly efficient causally consistent software-only DSM. *Lecture*

*Notes in Computer Science*, 1586:547–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mueller:1999:ADR**

- [1258] F. Mueller. Adaptive DSM-Runtime behavior via speculative data distribution. *Lecture Notes in Computer Science*, 1586:553–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Elgindy:1999:RAW**

- [1259] H. Elgindy. Reconfigurable architectures workshop. *Lecture Notes in Computer Science*, 1586:568–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bondalapati:1999:DDE**

- [1260] K. Bondalapati, P. Diniz, P. Duncan, and J. Granacki. DEFACTO: A design environment for adaptive computing technology. *Lecture Notes in Computer Science*, 1586:570–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Diessel:1999:WBM**

- [1261] O. Diessel, D. Kearney, and G. Wigley. A Web-based multiuser operating system for reconfigurable computing. *Lecture Notes in Computer Science*, 1586:579–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Srinivasan:1999:ISR**

- [1262] V. Srinivasan, S. Radhakrishnan, R. Vemuri, and J. Walrath. Interconnect synthesis for reconfigurable multi-FPGA architectures. *Lecture Notes in*

*Computer Science*, 1586:588–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Khalid:1999:HCP**

- [1263] M. A. S. Khalid and J. Rose. Hardwired-clusters partial-crossbar: A hierarchical routing architecture for multi-FPGA systems. *Lecture Notes in Computer Science*, 1586:597–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kaul:1999:IBP**

- [1264] M. Kaul and R. Vemuri. Integrated block-processing and design-space exploration in temporal partitioning for RTR architectures. *Lecture Notes in Computer Science*, 1586:606–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fernandez-Zepeda:1999:ISS**

- [1265] J. A. Fernandez-Zepeda, R. Vaidyanathan, and J. L. Trahan. Improved scaling simulation of the general reconfigurable mesh. *Lecture Notes in Computer Science*, 1586:616–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Middendorf:1999:BSR**

- [1266] M. Middendorf. Bit summation on the reconfigurable mesh. *Lecture Notes in Computer Science*, 1586:625–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lin:1999:SHA**

- [1267] R. Lin, K. Nakano, S. Olariu, and M. C. Pinotti. Scalable hardware-algorithms for binary prefix sums. *Lecture Notes in Computer Science*, 1586:634–??, 1999.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wojko:1999:CSS**

- [1268] M. Wojko and H. ElGindy. Configuration sequencing with self configurable binary multipliers. *Lecture Notes in Computer Science*, 1586:643–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dandalis:1999:DSM**

- [1269] A. Dandalis, A. Mei, and V. K. Prasanna. Domain specific mapping for solving graph problems on reconfigurable devices. *Lecture Notes in Computer Science*, 1586:652–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lu:1999:MRP**

- [1270] G. Lu, M.-H. Lee, H. Singh, and N. Bagherzadeh. MorphoSys: A reconfigurable processor targeted to high performance image application. *Lecture Notes in Computer Science*, 1586:661–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nagano:1999:EIM**

- [1271] H. Nagano, A. Matsuura, and A. Nagoya. An efficient implementation method of fractal image compression on dynamically reconfigurable architecture. *Lecture Notes in Computer Science*, 1586:670–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Nakada:1999:PCA**

- [1272] H. Nakada, K. Oguri, N. Imlig, and M. Inamori. Plastic cell architecture: A

dynamically reconfigurable hardware-based computer. *Lecture Notes in Computer Science*, 1586:679–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ritter:1999:LDS**

- [1273] G. Ritter, J.-M. Puiatti, and E. Sanchez. Leonardo and Discipulus Simplex: An autonomous, evolvable six-legged walking robot. *Lecture Notes in Computer Science*, 1586:688–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Agun:1999:RIH**

- [1274] K.-A. Agun and M. Chang. Reusable internal hardware templates. *Lecture Notes in Computer Science*, 1586:697–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Beuchat:1999:LAB**

- [1275] J.-L. Beuchat and E. Sanchez. An on-line arithmetic-based reconfigurable neuroprocessor. *Lecture Notes in Computer Science*, 1586:700–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hardt:1999:RCD**

- [1276] W. Hardt, A. Rettberg, and B. Kleinhjohann. The re-configurable delay-intensive FLYSIG architecture. *Lecture Notes in Computer Science*, 1586:703–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Koehler:1999:DSP**

- [1277] S. Koehler, S. Sawitzki, A. Gratz, and R. G. Spallek. Digital signal

processing with general purpose microprocessors, DSP and reconfigurable logic. *Lecture Notes in Computer Science*, 1586:706–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Suyama:1999:SSP**

- [1278] T. Suyama, M. Yokoo, and A. Nagoya. Solving satisfiability problems on FPGAs using experimental unit propagation heuristic. *Lecture Notes in Computer Science*, 1586:709–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tiountchik:1999:FIM**

- [1279] A. Tiountchik and E. Trichina. FPGA implementation of modular exponentiation. *Lecture Notes in Computer Science*, 1586:712–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Caromel:1999:WJP**

- [1280] D. Caromel, S. Chaumette, and G. Fox. Workshop on Java for parallel and distributed computing. *Lecture Notes in Computer Science*, 1586:716–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Philippesen:1999:MEO**

- [1281] M. Philippesen and B. Haumacher. More efficient object serialization. *Lecture Notes in Computer Science*, 1586:718–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Breg:1999:CIR**

- [1282] F. Breg and D. Cannon. A customizable implementation of RMI for

high performance computing. *Lecture Notes in Computer Science*, 1586:733–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Baker:1999:MOO**

- [1283] M. Baker, B. Carpenter, G. Fox, and Sung Hoon Koo. mpiJava: An object-oriented Java interface to MPI. *Lecture Notes in Computer Science*, 1586:748–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sarmenta:1999:AFT**

- [1284] L. F. G. Sarmenta. An adaptive, fault-tolerant implementation of BSP for Java-based volunteer computing systems. *Lecture Notes in Computer Science*, 1586:763–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Clement:1999:HPC**

- [1285] M. Clement, Q. Snell, and G. Judd. High performance computing for the masses. *Lecture Notes in Computer Science*, 1586:781–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Webb:1999:PNH**

- [1286] D. Webb, A. Wendelborn, and K. Maciunas. Process networks as a high-level notation for metacomputing. *Lecture Notes in Computer Science*, 1586:797–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Galatopoulos:1999:DPA**

- [1287] D. G. Galatopoulos and E. S. Manolakos. Developing parallel applications using the JavaPorts environment. *Lecture Notes in Computer Science*, 1586:813–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yi:1999:WOC**

- [1288] P. Yi and L. Keqin. Workshop on optics and computer science. *Lecture Notes in Computer Science*, 1586:829–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Weifa:1999:PRA**

- [1289] L. Weifa and S. Xiaojun. Permutation routing in all-optical product networks. *Lecture Notes in Computer Science*, 1586:831–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Carrera:1999:NOD**

- [1290] E. V. Carrera and R. Bianchini. NWCache: Optimizing disk accesses via an optical network/write cache hybrid. *Lecture Notes in Computer Science*, 1586:845–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Carrera:1999:NNC**

- [1291] E. V. Carrera and R. Bianchini. Net-Cache: A network/cache hybrid for multiprocessors. *Lecture Notes in Computer Science*, 1586:859–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Choo:1999:MWO**

- [1292] Peng Yin Choo, A. Detofsky, and A. Louri. A multi-wavelength optical content-addressable parallel processor (MW-OCAPP) for high-speed parallel relational database processing: Architectural concepts and preliminary experimental system. *Lecture Notes in Computer Science*, 1586:873–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hongjin:1999:OSA**

- [1293] Y. Hongjin, W. Kyubum, and H. Manpyo. Optimal scheduling algorithms in WDM optical passive star networks. *Lecture Notes in Computer Science*, 1586:887–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Coudert:1999:OBM**

- [1294] D. Coudert, A. Ferreira, and X. Muñoz. OTIS-based multi-hop multi-OPS lightwave networks. *Lecture Notes in Computer Science*, 1586:897–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Li:1999:SGT**

- [1295] K. Li, Y. Pan, and M. Hamdi. Solving graph theory problems using reconfigurable pipelined optical buses. *Lecture Notes in Computer Science*, 1586:911–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Feldman:1999:HSB**

- [1296] M. Feldman, R. Vaidyanathan, and A. El-Amawy. High speed, high capacity based interconnects using optical slab waveguides. *Lecture Notes in*

*Computer Science*, 1586:924–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jaekel:1999:NAM**

- [1297] A. Jaekel, S. Bandyopadhyay, and A. Sengupta. A new architecture for multihop optical networks. *Lecture Notes in Computer Science*, 1586:938–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Xijun:1999:PVN**

- [1298] Z. Xijun and Q. Chunming. Pipelined versus non-pipelined traffic scheduling in unidirectional WDM rings. *Lecture Notes in Computer Science*, 1586:950–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tao:1999:WSI**

- [1299] Y. Tao. Workshop on solving irregularly structured problems in parallel. *Lecture Notes in Computer Science*, 1586:964–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Heber:1999:SAW**

- [1300] C. Heber, R. Biswas, and C. R. Gao. Self-avoiding walks over adaptive unstructured grids. *Lecture Notes in Computer Science*, 1586:968–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Holzrichter:1999:GBM**

- [1301] M. Holzrichter and S. Oliveira. A graph based method for generating the Fiedler vector of irregular problems. *Lecture Notes in Computer Sci-*

*ence*, 1586:978–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pellegrini:1999:HND**

- [1302] F. Pellegrini, J. Roman, and P. Amestoy. Hybridizing nested dissection and halo approximate minimum degree for efficient sparse matrix ordering. *Lecture Notes in Computer Science*, 1586:986–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chen:1999:PPM**

- [1303] J. Chen and V. E. Taylor. ParaPART: Parallel mesh partitioning tool for distributed systems. *Lecture Notes in Computer Science*, 1586:996–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Voisin:1999:SCP**

- [1304] F. Voisin and G.-R. Perrin. Sparse computations with PEI. *Lecture Notes in Computer Science*, 1586:1006–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Benkner:1999:OIH**

- [1305] S. Benkner. Optimizing irregular HPF applications using halos. *Lecture Notes in Computer Science*, 1586:1015–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gao:1999:EHE**

- [1306] G. R. Gao. From EARTH to HTMT: An evolution of a multitheaded architecture model. *Lecture Notes in Computer Science*, 1586:1025–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Blount:1999:IPA**

- [1307] B. Blount, S. Chatterjee, and M. Philippsen. Irregular parallel algorithms in Java. *Lecture Notes in Computer Science*, 1586:1026–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lin:1999:SFC**

- [1308] Y. Lin and D. Padua. A simple framework to calculate the reaching definition of array references and its use in subscript array analysis. *Lecture Notes in Computer Science*, 1586:1036–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Everaars:1999:DPC**

- [1309] C. T. H. Everaars, B. Koren, and F. Arbab. Dynamic process composition and communication patterns in irregularly structured applications. *Lecture Notes in Computer Science*, 1586:1046–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rhodes:1999:SPH**

- [1310] D. L. Rhodes and A. Gerasoulis. Scalable parallelization of harmonic balance simulation. *Lecture Notes in Computer Science*, 1586:1055–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boeres:1999:TET**

- [1311] C. Boeres, A. Nascimento, and V. E. F. Rebelo. Towards an effective task clustering heuristic for LogP machines. *Lecture Notes in Computer Science*, 1586:1065–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mongelli:1999:RMP**

- [1312] H. Mongelli and W. Song. A range minima parallel algorithm for coarse grained multicomputers. *Lecture Notes in Computer Science*, 1586:1075–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Herley:1999:DBB**

- [1313] K. T. Herley, A. Pietracaprina, and G. Pucci. Deterministic branch-and-bound on distributed memory machines. *Lecture Notes in Computer Science*, 1586:1085–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chiola:1999:WPC**

- [1314] G. Chiola, G. Conte, and L. V. Mancini. Workshop on personal computer based networks of workstations. *Lecture Notes in Computer Science*, 1586:1095–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Donaldson:1999:PRR**

- [1315] S. R. Donaldson, J. M. D. Hill, and D. B. Skillicorn. Performance results for a reliable low-latency cluster communication protocol. *Lecture Notes in Computer Science*, 1586:1097–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Karl:1999:CTS**

- [1316] H. Karl. Coscheduling through synchronized scheduling servers A prototype and experiments. *Lecture Notes in Computer Science*, 1586:1115–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Anglano:1999:HPK**

- [1317] C. Anglano, A. Giordana, and G. Lo Bello. High-performance knowledge extraction from data on PC-based networks of workstations. *Lecture Notes in Computer Science*, 1586:1130–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rajasekaran:1999:ACL**

- [1318] U. K. V. Rajasekaran, M. Chetlur, G. D. Sharma, and R. Radhakrishnan. Addressing communication latency issues on clusters for fine grained asynchronous applications — A case study. *Lecture Notes in Computer Science*, 1586:1145–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Takahashi:1999:IEM**

- [1319] T. Takahashi, F. O’Carroll, H. Tezuka, and A. Hori. Implementation and evaluation of MPI on an SMP cluster. *Lecture Notes in Computer Science*, 1586:1178–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mery:1999:WFM**

- [1320] D. Mery and B. Sanders. Workshop on formal methods for parallel programming: Theory and applications. *Lecture Notes in Computer Science*, 1586:1193–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Attali:1999:SEP**

- [1321] I. Attali, D. Caromel, and S. Lippi. From a specification to an equivalence proof in object-oriented paral-

lelism. *Lecture Notes in Computer Science*, 1586:1197–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Charpentier:1999:EPC**

- [1322] M. Charpentier and K. M. Chandy. Examples of program composition illustrating the use of universal properties. *Lecture Notes in Computer Science*, 1586:1215–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chernyakhovsky:1999:FFS**

- [1323] V. Chernyakhovsky, P. Frey, R. Radhakrishnan, and P. A. Wilsey. A formal framework for specifying and verifying time warp optimizations. *Lecture Notes in Computer Science*, 1586:1228–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Creese:1999:VEE**

- [1324] S. J. Creese and J. Reed. Verifying end-to-end protocols using induction with CSP/FDR. *Lecture Notes in Computer Science*, 1586:1243–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Havelund:1999:MVG**

- [1325] K. Havelund. Mechanical verification of a garbage collector. *Lecture Notes in Computer Science*, 1586:1258–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Massingill:1999:SAP**

- [1326] B. L. Massingill. A structured approach to parallel programming: Methodology and models. *Lecture Notes in Computer Science*, 1586:1284–??, 1999.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Simpson:1999:BCE**

- [1327] A. C. Simpson, J. M. D. Hill, and S. R. Donaldson. BSP in CSP: Easy as ABC. *Lecture Notes in Computer Science*, 1586:1299–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bhatt:1999:WEH**

- [1328] D. Bhatt and V. Prasanna. Workshop on embedded HPC systems and applications. *Lecture Notes in Computer Science*, 1586:1314–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Welch:1999:DSR**

- [1329] L. R. Welch, M. W. Masters, L. A. Madden, and D. T. Marlow. A distributed system reference architecture for adaptive QoS and resource management. *Lecture Notes in Computer Science*, 1586:1316–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Millan:1999:BFD**

- [1330] William Millan, Andrew Clark, and Ed Dawson. Boolean function design using hill climbing methods. *Lecture Notes in Computer Science*, 1587:1–11, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1587/15870001.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1587/15870001.pdf>.

**Maitra:1999:ECI**

- [1331] Subhamoy Maitra and Palash Sarkar. Enumeration of correlation immune Boolean functions. *Lecture Notes in Computer Science*, 1587:12–25, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1587/15870012.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1587/15870012.pdf>.

**Qu:1999:SPH**

- [1332] Chengxin Qu, Jennifer Seberry, and Josef Pieprzyk. On the symmetric property of homogeneous Boolean functions. *Lecture Notes in Computer Science*, 1587:26–35, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1587/15870026.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1587/15870026.pdf>.

**Viswanathan:1999:PVK**

- [1333] Kapali Viswanathan, Colin Boyd, and Ed Dawson. Publicly verifiable key escrow with limited time span. *Lecture Notes in Computer Science*, 1587:36–50, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1587/15870036.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1587/15870036.pdf>.

**Lee:1999:AKE**

- [1334] Seungwon Lee, Seong-Min Hong, Hyunsoo Yoon, and Yookun Cho. Accelerating key establishment protocols for mobile communication. *Lecture Notes in Computer Science*, 1587:51–63, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1587/15870051.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1587/15870051.pdf>.

**Li:1999:CKA**

- [1335] Chih-Hung Li and Josef Pieprzyk. Conference key agreement from secret sharing. *Lecture Notes in Computer Science*, 1587:64–76, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1587/15870064.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1587/15870064.pdf>.

**Fung:1999:PPS**

- [1336] W. W. Fung and J. W. Gray III. On  $m$ -permutation protection scheme against modification attack. *Lecture Notes in Computer Science*, 1587:77–87, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1587/15870077.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1587/15870077.pdf>.

**Golic:1999:IAB**

- [1337] Jovan Dj. Golić, Andrew Clark, and Ed Dawson. Inversion attack and branching. *Lecture Notes in Computer Science*, 1587:88–102, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1587/15870088.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1587/15870088.pdf>.

**Susilo:1999:FST**

- [1338] Willy Susilo, Rei Safavi-Naini, and Josef Pieprzyk. Fail-stop threshold signature schemes based on elliptic curves. *Lecture Notes in Computer Science*, 1587:103–116, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1587/15870103.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1587/15870103.pdf>.

**Nguyen:1999:DZK**

- [1339] Khanh Quoc Nguyen, Yi Mu, and Vijay Varadharajan. Divertible zero-knowledge proof of polynomial relations and blind group signature. *Lecture Notes in Computer Science*, 1587:117–128, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1587/15870117.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1587/15870117.pdf>.

**Ghodosi:1999:RCN**

- [1340] Hossein Ghodosi and Josef Pieprzyk. Repudiation of cheating and non-repudiation of Zhang's proxy signature schemes. *Lecture Notes in Computer Science*, 1587:129–134, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1587/15870129.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1587/15870129.pdf>.

**Mueller:1999:SRB**

- [1341] S. Mueller. On the security of an RSA based encryption scheme. *Lecture Notes in Computer Science*, 1587:135–148, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Muller:1999:SRB**

- [1342] Siguna Müller. On the security of an RSA based encryption scheme. *Lecture Notes in Computer Science*, 1587:135–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1587/15870135.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1587/15870135.pdf>.

**Gysin:1999:GCA**

- [1343] Marc Gysin and Jennifer Seberry. Generalised cycling attacks on RSA and strong RSA primes. *Lecture Notes in Computer Science*, 1587:149–163, 1999. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1587/15870149.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1587/15870149.pdf>.

**Tiountchik:1999:RAF**

- [1344] Alexander Tiountchik and Elena Trichina. RSA acceleration with field programmable gate arrays. *Lecture Notes in Computer Science*, 1587:164–176, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1587/15870164.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1587/15870164.pdf>.

**Martin:1999:CTA**

- [1345] Keith M. Martin, Josef Pieprzyk, Rei Safavi-Naini, and Huaxiong Wang. Changing thresholds in the absence of secure channels. *Lecture Notes in Computer Science*, 1587:177–191, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1587/15870177.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1587/15870177.pdf>.

**Saeednia:1999:SCG**

- [1346] Shahrokh Saeednia and Hossein Ghodosi. A self-certified group-oriented cryptosystem without a combiner. *Lecture Notes in Computer Science*, 1587:192–201, 1999. CODEN LNCSD9.

ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1587/15870192.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1587/15870192.pdf>.

**Horton:1999:CVM**

- [1347] Jeffrey Horton and Jennifer Seberry. Companion viruses and the macintosh: Threats and countermeasures. *Lecture Notes in Computer Science*, 1587:202–212, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1587/15870202.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1587/15870202.pdf>.

**Ashley:1999:ISV**

- [1348] Paul Ashley, Bradley Broom, and Mark Vandenwauver. An implementation of a secure version of NFS including RBAC. *Lecture Notes in Computer Science*, 1587:213–227, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1587/15870213.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1587/15870213.pdf>.

**Traore:1999:GST**

- [1349] Jacques Traoré. Group signatures and their relevance to privacy-protecting off-line electronic cash systems. *Lecture Notes in Computer Science*, 1587:228–243, 1999. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1587/15870228.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1587/15870228.pdf>.

**Boyd:1999:EEC**

- [1350] Colin Boyd, Ernest Foo, and Chris Pavlovski. Efficient electronic cash using batch signatures. *Lecture Notes in Computer Science*, 1587:244–257, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1587/15870244.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1587/15870244.pdf>.

**Zhou:1999:EFN**

- [1351] Jianying Zhou, Robert Deng, and Feng Bao. Evolution of fair non-repudiation with TTP. *Lecture Notes in Computer Science*, 1587:258–243, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1587/15870258.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1587/15870258.pdf>.

**Bai:1999:AOO**

- [1352] Yun Bai and Vijay Varadharajan. Authorization in object oriented databases. *Lecture Notes in Computer Science*, 1587:270–280, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (elec-

tronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1587/15870270.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1587/15870270.pdf>.

**Saunders:1999:AAC**

- [1353] Gregory Saunders, Michael Hitchens, and Vijay Varadharajan. An analysis of access control models. *Lecture Notes in Computer Science*, 1587:281–293, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1587/15870281.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1587/15870281.pdf>.

**Lenstra:1999:EIB**

- [1354] Arjen K. Lenstra. Efficient identity based parameter selection for elliptic curve cryptosystems. *Lecture Notes in Computer Science*, 1587:294–302, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1587/15870294.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1587/15870294.pdf>.

**Pei:1999:COA**

- [1355] Dingyi Pei, Yuqiang Li, Yejing Wang, and Rei Safavi-Naini. Characterization of optimal authentication codes with arbitration. *Lecture Notes in Computer Science*, 1587:303–313, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (elec-

tronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1587/15870303.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1587/15870303.pdf>.

**Yamamura:1999:FCU**

- [1356] Akihiro Yamamura. A functional cryptosystem using a group action. *Lecture Notes in Computer Science*, 1587:314–326, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1587/15870314.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1587/15870314.pdf>.

**Anonymous:1999:AIE**

- [1357] Anonymous. Author index. *Lecture Notes in Computer Science*, 1587:327–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/papers/1587/1587auth.pdf>.

**Ancona:1999:AFS**

- [1358] D. Ancona. An algebraic framework for separate type-checking. *Lecture Notes in Computer Science*, 1589:1–15, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Borzyszkowski:1999:MSS**

- [1359] T. Borzyszkowski. Moving specification structures between logical systems. *Lecture Notes in Computer Science*, 1589:16–30, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bruni:1999:NFP**

- [1360] R. Bruni, F. Gadducci, and U. Montanari. Normal forms for partitions and relations. *Lecture Notes in Computer Science*, 1589:31–47, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Caleiro:1999:PL**

- [1361] C. Caleiro, C. Sernadas, and A. Sernadas. Parameterisation of logics. *Lecture Notes in Computer Science*, 1589:48–62, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cirstea:1999:SCH**

- [1362] C. Cirstea. Semantic constructions for hidden algebra. *Lecture Notes in Computer Science*, 1589:63–78, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Corradini:1999:FSM**

- [1363] A. Corradini and F. Gadducci. Functorial semantics for multi-algebras. *Lecture Notes in Computer Science*, 1589:79–91, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Corradini:1999:AGD**

- [1364] A. Corradini, M. Grosse-Rhode, and R. Heckel. An algebra of graph derivations using finite (co-) limit double theories. *Lecture Notes in Computer Science*, 1589:92–106, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Coudert:1999:HHS**

- [1365] S. Coudert, G. Bernot, and P. Le Gall. Hierarchical heterogeneous specifications. *Lecture Notes in Computer Science*, 1589:107–121, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Echahed:1999:PAG**

- [1366] R. Echahed and J.-C. Janodet. Parallel admissible graph rewriting. *Lecture Notes in Computer Science*, 1589:122–137, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Grosse-Rhode:1999:RMT**

- [1367] M. Grosse-Rhode, F. P. Presicce, and M. Simeoni. Refinements and modules for typed graph transformation systems. *Lecture Notes in Computer Science*, 1589:138–151, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Habel:1999:CST**

- [1368] A. Habel and D. Plump. Complete strategies for term graph narrowing. *Lecture Notes in Computer Science*, 1589:152–167, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kirchner:1999:NDC**

- [1369] H. Kirchner and P.-E. Moreau. Non-deterministic computations in ELAN. *Lecture Notes in Computer Science*, 1589:168–182, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Konikowska:1999:RSD**

- [1370] B. Konikowska. Rasiowa-Sikorski deduction systems: A handy tool for computer science logics. *Lecture Notes in Computer Science*, 1589:183–197, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mossakowski:1999:TOC**

- [1371] T. Mossakowski. Translating OBJ3 into CASL: The institution level. *Lecture Notes in Computer Science*, 1589:198–215, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mosses:1999:CGT**

- [1372] P. D. Mosses. CASL: A guided tour of its design. *Lecture Notes in Computer Science*, 1589:216–240, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Padberg:1999:APN**

- [1373] J. Padberg. Abstract Petri nets as a uniform approach to high-level Petri nets. *Lecture Notes in Computer Science*, 1589:241–260, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pita:1999:URS**

- [1374] I. Pita and N. Marti-Oliet. Using reflection to specify transaction sequences in rewriting logic. *Lecture Notes in Computer Science*, 1589:261–276, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Poizat:1999:CDT**

- [1375] P. Poizat, C. Choppy, and J.-C. Royer. Concurrency and data types: A speci-

fication method an example with LOTOS. *Lecture Notes in Computer Science*, 1589:277–292, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ramos:1999:SSC**

- [1376] J. Ramos and A. Sernadas. The situation and state calculus versus branching temporal logic. *Lecture Notes in Computer Science*, 1589:293–309, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Resende:1999:MSC**

- [1377] P. Resende. Modular specification of concurrent systems with observational logic. *Lecture Notes in Computer Science*, 1589:310–325, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wirsing:1999:PNS**

- [1378] M. Wirsing, J. N. Crossley, and H. Peterreins. Proof normalization of structured algebraic specifications is convergent. *Lecture Notes in Computer Science*, 1589:326–340, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Shim:1999:UAC**

- [1379] J. Shim, P. Scheuermann, and R. Vingralek. A unified algorithm for cache replacement and consistency in Web proxy servers. *Lecture Notes in Computer Science*, 1590:1–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Billard:1999:TSI**

- [1380] D. Billard. Transactional services for the Internet. *Lecture Notes in*

*Computer Science*, 1590:14–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Connor:1999:UPP**

- [1381] R. Connor, K. Sibson, and P. Manghi. On the unification of persistent programming and the World Wide Web. *Lecture Notes in Computer Science*, 1590:34–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Goldman:1999:IQS**

- [1382] R. Goldman and J. Widom. Interactive query and search in semistructured databases. *Lecture Notes in Computer Science*, 1590:52–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Konopnicki:1999:BDF**

- [1383] D. Konopnicki and O. Shmueli. Bringing database functionality to the WWW. *Lecture Notes in Computer Science*, 1590:63–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bidoit:1999:FCQ**

- [1384] N. Bidoit and M. Ykhlef. Fixpoint calculus for querying semistructured data. *Lecture Notes in Computer Science*, 1590:78–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sindoni:1999:IMH**

- [1385] G. Sindoni. Incremental maintenance of hypertext views. *Lecture Notes in Computer Science*, 1590:98–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Simeon:1999:UYB**

- [1386] J. Simeon and S. Gluer. Using YAT to build a Web server. *Lecture Notes in Computer Science*, 1590:118–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Falquet:1999:LTS**

- [1387] G. Falquet, J. Guyot, and L. Nerima. Languages and tools to specify hypertext views on databases. *Lecture Notes in Computer Science*, 1590:136–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Beeri:1999:WTS**

- [1388] C. Beeri, G. Elber, T. Milo, and Y. Sagiv. WebSuite — A tool suite for harnessing Web data. *Lecture Notes in Computer Science*, 1590:152–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Brin:1999:EPR**

- [1389] S. Brin. Extracting patterns and relations from the World Wide Web. *Lecture Notes in Computer Science*, 1590:172–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Spiliopoulou:1999:WTW**

- [1390] M. Spiliopoulou and L. C. Faulstich. WUM: A tool for Web utilization analysis. *Lecture Notes in Computer Science*, 1590:184–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Shivakumar:1999:FNR**

- [1391] N. Shivakumar and H. Garcia-Molina. Finding near-replicas of documents on the Web. *Lecture Notes in Computer Science*, 1590:204–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Duke:1999:CPS**

- [1392] David J. Duke, Ivan Herman, and M. Scott Marshall. Chapter 1. PREMIO: A standard for distributed multimedia. *Lecture Notes in Computer Science*, 1591:1–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1591/15910001.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1591/15910001.pdf>.

**Duke:1999:COP**

- [1393] David J. Duke, Ivan Herman, and M. Scott Marshall. Chapter 2. an overview of PREMIO. *Lecture Notes in Computer Science*, 1591:9–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1591/15910009.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1591/15910009.pdf>.

**Duke:1999:CFP**

- [1394] David J. Duke, Ivan Herman, and M. Scott Marshall. Chapter 3. the fundamentals of PREMIO. *Lecture Notes in Computer Science*, 1591:35–??, 1999. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1591/15910035.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1591/15910035.pdf>.

**Duke:1999:CGI**

- [1395] David J. Duke, Ivan Herman, and M. Scott Marshall. Chapter 4. general implementation issues. *Lecture Notes in Computer Science*, 1591:49–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1591/15910049.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1591/15910049.pdf>.

**Duke:1999:CFC**

- [1396] David J. Duke, Ivan Herman, and M. Scott Marshall. Chapter 5. the foundation component. *Lecture Notes in Computer Science*, 1591:59–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1591/15910059.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1591/15910059.pdf>.

**Duke:1999:CMS**

- [1397] David J. Duke, Ivan Herman, and M. Scott Marshall. Chapter 6. multimedia systems services component. *Lecture Notes in Computer Science*, 1591:125–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349

(electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1591/15910125.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1591/15910125.pdf>.

**Duke:1999:CMR**

- [1398] David J. Duke, Ivan Herman, and M. Scott Marshall. Chapter 7. the modelling, rendering, and interaction component. *Lecture Notes in Computer Science*, 1591:165–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1591/15910165.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1591/15910165.pdf>.

**Duke:1999:CDJ**

- [1399] David J. Duke, Ivan Herman, and M. Scott Marshall. Chapter 8. detailed Java specifications of the PREM0 objects. *Lecture Notes in Computer Science*, 1591:205–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1591/15910205.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1591/15910205.pdf>.

**Duke:1999:ASI**

- [1400] David J. Duke, Ivan Herman, and M. Scott Marshall. Appendix. selected implementation issues. *Lecture Notes in Computer Science*, 1591:231–??, 1999. CODEN LNCS9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1591/15910231.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1591/15910231.pdf>.

**Anonymous:1999:R**

- [1401] Anonymous. References. *Lecture Notes in Computer Science*, 1591:243–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/papers/1591/1591refe.pdf>.

**Anonymous:1999:I**

- [1402] Anonymous. Index. *Lecture Notes in Computer Science*, 1591:251–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/papers/1591/1591auth.pdf>.

**Boneh:1999:CRP**

- [1403] Dan Boneh and Glenn Durfee. Cryptanalysis of RSA with private key  $d$  less than  $N^{0.292}$ . *Lecture Notes in Computer Science*, 1592:1–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1592/15920001.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1592/15920001.pdf>.

**Biham:1999:CSR**

- [1404] Eli Biham, Alex Biryukov, and Adi Shamir. Cryptanalysis of Skipjack

reduced to 31 rounds using impossible differentials. *Lecture Notes in Computer Science*, 1592:12–23, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1592/15920012.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1592/15920012.pdf>.

**Nevelsteen:1999:SPU**

- [1405] Wim Nevelsteen and Bart Preneel. Software performance of universal hash functions. *Lecture Notes in Computer Science*, 1592:24–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1592/15920024.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1592/15920024.pdf>.

**Dodis:1999:LBO**

- [1406] Yevgeniy Dodis and Silvio Micali. Lower bounds for oblivious transfer reductions. *Lecture Notes in Computer Science*, 1592:42–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1592/15920042.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1592/15920042.pdf>.

**Damgaard:1999:IPB**

- [1407] Ivan Damgård, Joe Kilian, and Louis Salvail. On the (im)possibility

of basing oblivious transfer and bit commitment on weakened security assumptions. *Lecture Notes in Computer Science*, 1592:56–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1592/15920056.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1592/15920056.pdf>.

**Crescenzo:1999:COT**

- [1408] Giovanni Di Crescenzo, Rafail Ostrovsky, and Sivaramakrishnan Rajagopalan. Conditional oblivious transfer and timed-release encryption. *Lecture Notes in Computer Science*, 1592:74–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1592/15920074.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1592/15920074.pdf>.

**DiCrescenzo:1999:COT**

- [1409] G. Di Crescenzo, R. Ostrovsky, and S. Rajagopalan. Conditional oblivious transfer and timed-release encryption. *Lecture Notes in Computer Science*, 1592:74–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Canetti:1999:ETP**

- [1410] Ran Canetti and Shafi Goldwasser. An efficient *Threshold* public key cryptosystem secure against adaptive chosen ciphertext attack. *Lecture Notes in Computer Science*, 1592:90–

??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1592/15920090.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1592/15920090.pdf>.

**Camenisch:1999:PZK**

- [1411] Jan Camenisch and Markus Michels. Proving in zero-knowledge that a number is the product of two safe primes. *Lecture Notes in Computer Science*, 1592:107–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1592/15920107.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1592/15920107.pdf>.

**Gennaro:1999:SHS**

- [1412] Rosario Gennaro, Shai Halevi, and Tal Rabin. Secure hash-and-sign signatures without the random oracle. *Lecture Notes in Computer Science*, 1592:123–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1592/15920123.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1592/15920123.pdf>.

**Ergun:1999:NLC**

- [1413] Funda Ergun, Joe Kilian, and Ravi Kumar. A note on the limits of collusion-resistant watermarks. *Lecture Notes in Computer Science*, 1592:140–??, 1999. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1592/15920140.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1592/15920140.pdf>.

**Pfitzmann:1999:CBA**

- [1414] Birgit Pfitzmann and Ahmad-Reza Sadeghi. Coin-based anonymous fingerprinting. *Lecture Notes in Computer Science*, 1592:150–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1592/15920150.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1592/15920150.pdf>.

**Smart:1999:PHC**

- [1415] Nigel P. Smart. On the performance of hyperelliptic cryptosystems. *Lecture Notes in Computer Science*, 1592:165–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1592/15920165.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1592/15920165.pdf>.

**Kobayashi:1999:FEC**

- [1416] Tetsutaro Kobayashi, Hikaru Morita, Kunio Kobayashi, and Fumitaka Hoshino. Fast elliptic curve algorithm combining Frobenius map and table reference to adapt to higher characteristic. *Lecture Notes in Computer Science*, 1592:176–??, 1999. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1592/15920176.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1592/15920176.pdf>.

**Harasawa:1999:CMF**

- [1417] Ryuichi Harasawa, Junji Shikata, Joe Suzuki, and Hideki Imai. Comparing the MOV and FR reductions in elliptic curve cryptography. *Lecture Notes in Computer Science*, 1592:190–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1592/15920190.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1592/15920190.pdf>.

**Kipnis:1999:UOV**

- [1418] Aviad Kipnis, Jacques Patarin, and Louis Goubin. Unbalanced oil and vinegar signature schemes. *Lecture Notes in Computer Science*, 1592:206–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1592/15920206.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1592/15920206.pdf>.

**Paillier:1999:PKC**

- [1419] Pascal Paillier. Public-key cryptosystems based on composite degree residuosity classes. *Lecture Notes in Computer Science*, 1592:223–??, 1999. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1592/15920223.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1592/15920223.pdf>.

**Pointcheval:1999:NPK**

- [1420] David Pointcheval. New public key cryptosystems based on the dependent — RSA problems. *Lecture Notes in Computer Science*, 1592:239–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1592/15920239.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1592/15920239.pdf>.

**Vaudenay:1999:RAG**

- [1421] Serge Vaudenay. Resistance against general iterated attacks. *Lecture Notes in Computer Science*, 1592:255–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1592/15920255.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1592/15920255.pdf>.

**Hawkes:1999:XNX**

- [1422] Philip Hawkes and Luke O'Connor. XOR and non-XOR differential probabilities. *Lecture Notes in Computer Science*, 1592:272–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/>

series/0558/bibs/1592/15920272.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1592/15920272.pdf>.

**Cheon:1999:BCN**

- [1423] Jung Hee Cheon, Seongtaek Chee, and Choonsik Park. S-boxes with controllable nonlinearity. *Lecture Notes in Computer Science*, 1592:286–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1592/15920286.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1592/15920286.pdf>.

**Gennaro:1999:SDK**

- [1424] Rosario Gennaro, Stanisław Jarecki, Hugo Krawczyk, and Tal Rabin. Secure distributed key generation for discrete-log based cryptosystems. *Lecture Notes in Computer Science*, 1592:295–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1592/15920295.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1592/15920295.pdf>.

**Cramer:1999:EMC**

- [1425] Ronald Cramer, Ivan Damgård, Stefan Dziembowski, Martin Hirt, and Tal Rabin. Efficient multi-party computations secure against an adaptive adversary. *Lecture Notes in Computer Science*, 1592:311–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (elec-

tronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1592/15920311.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1592/15920311.pdf>.

**Naor:1999:DPR**

- [1426] Moni Naor, Benny Pinkas, and Omer Reingold. Distributed pseudo-random functions and KDCs. *Lecture Notes in Computer Science*, 1592:327–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1592/15920327.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1592/15920327.pdf>.

**Johansson:1999:IFC**

- [1427] Thomas Johansson and Fredrik Jönsson. Improved fast correlation attacks on stream ciphers via convolutional codes. *Lecture Notes in Computer Science*, 1592:347–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1592/15920347.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1592/15920347.pdf>.

**Knudsen:1999:CIS**

- [1428] Lars R. Knudsen and Willi Meier. Cryptanalysis of an identification scheme based on the permuted perceptron problem. *Lecture Notes in Computer Science*, 1592:363–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (elec-

tronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1592/15920363.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1592/15920363.pdf>.

**OConnor:1999:AEB**

- [1429] Luke O'Connor. An analysis of exponentiation based on formal languages. *Lecture Notes in Computer Science*, 1592:375–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1592/15920375.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1592/15920375.pdf>.

**Mizuki:1999:DNS**

- [1430] Takaaki Mizuki, Hiroki Shizuya, and Takao Nishizeki. Dealing necessary and sufficient numbers of cards for sharing a one-bit secret key. *Lecture Notes in Computer Science*, 1592:389–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1592/15920389.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1592/15920389.pdf>.

**Cachin:1999:CPI**

- [1431] Christian Cachin, Silvio Micali, and Markus Stadler. Computationally private information retrieval with polylogarithmic communication. *Lecture Notes in Computer Science*, 1592:402–??, 1999. CODEN LNCS9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1592/15920402.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1592/15920402.pdf>.

**Richardson:1999:CCZ**

- [1432] Ransom Richardson and Joe Kilian. On the concurrent composition of zero-knowledge proofs. *Lecture Notes in Computer Science*, 1592:415–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1592/15920415.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1592/15920415.pdf>.

**Fischlin:1999:PFT**

- [1433] Marc Fischlin. Pseudorandom function tribe ensembles based on one-way permutations: Improvements and applications. *Lecture Notes in Computer Science*, 1592:432–??, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1592/15920432.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1592/15920432.pdf>.

**Wang:1999:SCB**

- [1434] Yongge Wang and Yvo Desmedt. Secure communication in broadcast channels: The answer to Franklin and Wright's question. *Lecture Notes in Computer Science*, 1592:446–??,

1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1592/15920446.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1592/15920446.pdf>.

**Canetti:1999:ECS**

- [1435] Ran Canetti, Tal Malkin, and Kobbi Nissim. Efficient communication-storage tradeoffs for multicast encryption. *Lecture Notes in Computer Science*, 1592:459–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1592/15920459.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1592/15920459.pdf>.

**Sanders:1999:HPI**

- [1436] P. Sanders, T. Takkula, and D. Wedelin. High performance integer optimization for crew scheduling. *Lecture Notes in Computer Science*, 1593:3–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jung:1999:SSP**

- [1437] B. Jung, H.-P. Lenhof, P. Mueller, and C. Rueb. Simulating synthetic polymer chains in parallel. *Lecture Notes in Computer Science*, 1593:13–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Reijns:1999:RTS**

- [1438] G. L. Reijns, A. J. C. Van Gemund, J. Schier, and P. J. F. Swart. Real-time

signal processing in a collision avoidance radar system using parallel computing. *Lecture Notes in Computer Science*, 1593:23–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Riedl:1999:IWS**

- [1439] R. Riedl. The impact of workload on simulation results for distributed transaction processing. *Lecture Notes in Computer Science*, 1593:33–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Maksymowicz:1999:CSA**

- [1440] A. Z. Maksymowicz, M. Bubak, K. Zajac, and M. Magdon. Computer simulation of ageing with an extended penna model. *Lecture Notes in Computer Science*, 1593:43–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**VanSterkenburg:1999:SMT**

- [1441] R. P. Van Sterkenburg and A. A. Ten Dam. The scenario management tool SMARTFED for real-time interactive high performance networked simulations. *Lecture Notes in Computer Science*, 1593:50–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lebas:1999:OHA**

- [1442] F.-X. Lebas and T. Uslaender. OPERA: An HPCN architecture for distributed component-based real-time simulations. *Lecture Notes in Computer Science*, 1593:60–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rackl:1999:ASU**

- [1443] G. Rackl, F. De Stefani, F. Heran, and A. Pasquarelli. Airport simulation using CORBA and DIS. *Lecture Notes in Computer Science*, 1593:70–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chang:1999:IRG**

- [1444] C.-H. Chang, H.-K. Wu, M.-H. Jin, and Y.-O. Tseng. Intelligent routing for global broadband satellite Internet. *Lecture Notes in Computer Science*, 1593:80–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kellar:1999:ICC**

- [1445] W. P. Kellar, A. M. Savill, and W. N. Dawes. Integrated CAD/CFD visualisation of a generic formula I car front wheel flowfield. *Lecture Notes in Computer Science*, 1593:90–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Fritzson:1999:ASS**

- [1446] D. Fritzson and P. Nordling. Adaptive scheduling strategy optimizer for parallel rolling bearing simulation. *Lecture Notes in Computer Science*, 1593:99–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Radhakrishna:1999:MBP**

- [1447] H. Radhakrishna, S. Divakar, N. Magothra, and S. R. J. Brueck. MPI-based parallel implementation of a lithography pattern simulation algorithm. *Lecture Notes in Computer Science*, 1593:109–??, 1999. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schuele:1999:PHR**

- [1448] J. Schuele and T. Wilhelmsson. Parallelizing an high resolution operational ocean model. *Lecture Notes in Computer Science*, 1593:120–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Roads:1999:WCF**

- [1449] J. Roads, S. Chen, C. McCord, and W. Smith. Weather and climate forecasts and analyses at MHPCC. *Lecture Notes in Computer Science*, 1593:130–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Garatani:1999:GHP**

- [1450] K. Garatani, H. Nakamura, H. Okuda, and G. Yagawa. GeoFEM: High performance parallel FEM for solid earth. *Lecture Notes in Computer Science*, 1593:133–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Modersitzki:1999:EMV**

- [1451] J. Modersitzki, W. Obeloeer, O. Schmitt, and G. Lustig. Elastic matching of very large digital images on high performance clusters. *Lecture Notes in Computer Science*, 1593:141–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lee:1999:DID**

- [1452] J. Lee, B. Tierney, and W. Johnston. Data intensive distributed computing: A medical application example. *Lecture Notes in Computer Sci-*

ence, 1593:150–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Papazis:1999:UHT**

- [1453] N. Papazis and D. Dimitrelos. Utilizing HPC technology in 3D cardiac modeling. *Lecture Notes in Computer Science*, 1593:159–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rivas:1999:PAR**

- [1454] R. Rivas, M. B. Ibañez, Y. Cardinale, and P. Windyga. A parallel algorithm for 3D reconstruction of angiographic images. *Lecture Notes in Computer Science*, 1593:168–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Maniatis:1999:DTM**

- [1455] T. A. Maniatis, K. S. Nikita, and K. Voliotis. A diffraction tomography method for medical imaging implemented on high performance computing environment. *Lecture Notes in Computer Science*, 1593:178–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kalinov:1999:HDC**

- [1456] A. Kalinov and A. Lastovetsky. Heterogeneous distribution of computations while solving linear algebra problems on networks of heterogeneous computers. *Lecture Notes in Computer Science*, 1593:191–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Heras:1999:MIL**

- [1457] D. B. Heras, V. B. Perez, J. C. C. Dominguez, and F. F. Rivera. Modeling and improving locality for irregular problems: Sparse matrix-vector product on cache memories as a case study. *Lecture Notes in Computer Science*, 1593:201–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Satoh:1999:PSC**

- [1458] S. Satoh, K. Kusano, Y. Tanaka, and M. Matsuda. Parallelization of sparse Cholesky factorization on an SMP cluster. *Lecture Notes in Computer Science*, 1593:211–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schenk:1999:SPS**

- [1459] O. Schenk, K. Gaertner, and W. Fichtner. Scalable parallel sparse factorization with left-right looking strategy on shared memory multiprocessors. *Lecture Notes in Computer Science*, 1593:221–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bogdanov:1999:ATL**

- [1460] A. V. Bogdanov, I. A. Grishin, G. O. Khanlarov, and G. A. Lukianov. Algorithm of two-level parallelization for direct simulation Monte Carlo of unsteady flows in molecular gasdynamics. *Lecture Notes in Computer Science*, 1593:231–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Briguglio:1999:PGF**

- [1461] S. Briguglio, G. Vlad, G. Fogaccia, and B. Di Martino. Parallelization of gridless finite-size-particle plasma simulation codes. *Lecture Notes in Computer Science*, 1593:241–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sun:1999:DOO**

- [1462] Y. Sun, Z. Liang, and C.-L. Wang. A distributed object-oriented method for particle simulations on clusters. *Lecture Notes in Computer Science*, 1593:251–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sato:1999:SDL**

- [1463] N. Sato and J.-M. Jezequel. A simple dynamic load-balancing scheme for parallel molecular dynamics simulation on distributed memory machines. *Lecture Notes in Computer Science*, 1593:260–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Keller:1999:RMH**

- [1464] A. Keller, M. Brune, and A. Reinefeld. Resource management for high-performance PC clusters. *Lecture Notes in Computer Science*, 1593:270–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mahmoud:1999:WGC**

- [1465] Q. H. Mahmoud. The Web as a global computing platform. *Lecture Notes in Computer Science*, 1593:281–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Haupt:1999:WFW**

- [1466] T. Haupt, E. Akarsu, and G. Fox. WebFlow: A framework for Web based metacomputing. *Lecture Notes in Computer Science*, 1593:291–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**VanAlbada:1999:DBO**

- [1467] G. D. Van Albada, J. Clinckemaiellie, A. H. L. Emmen, and J. Gehring. Dynamite-blasting obstacles to parallel cluster computing. *Lecture Notes in Computer Science*, 1593:300–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kandhai:1999:IMR**

- [1468] D. Kandhai, A. Kopenon, A. Hoekstra, and P. M. A. Sloot. Iterative momentum relaxation for fast lattice-Boltzmann simulations. *Lecture Notes in Computer Science*, 1593:311–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dupuis:1999:LGE**

- [1469] A. Dupuis and B. Chopard. Lattice gas: An efficient and reusable parallel library based on a graph partitioning technique. *Lecture Notes in Computer Science*, 1593:319–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kraeva:1999:APR**

- [1470] M. A. Kraeva and V. E. Malyshkin. Algorithms of parallel realisation of the PIC method with assembly technology. *Lecture Notes in Computer Science*, 1593:329–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dubbeldam:1999:CAM**

- [1471] D. Dubbeldam, A. G. Hoekstra, and P. M. A. Sloot. Computational aspects of multi-species lattice-gas automata. *Lecture Notes in Computer Science*, 1593:339–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Patten:1999:TSM**

- [1472] C. J. Patten, K. A. Hawick, and J. F. Hercus. Towards a scalable metacomputing storage service. *Lecture Notes in Computer Science*, 1593:350–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Li:1999:DVC**

- [1473] J. Li and E. De Doncker. Dynamic visualization of computations on the Internet. *Lecture Notes in Computer Science*, 1593:360–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ferrari:1999:FSS**

- [1474] A. Ferrari, F. Knabe, M. Humphrey, and S. Chapin. A flexible security system for metacomputing environments. *Lecture Notes in Computer Science*, 1593:370–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Malony:1999:CEU**

- [1475] A. D. Malony, J. L. Skidmore, and M. J. Sottile. Computational experiments using distributed tools in a Web-based electronic notebook environment. *Lecture Notes in Computer Science*, 1593:381–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Casavant:1999:PDA**

- [1476] T. L. Casavant, T. E. Scheetz, T. A. Braun, and K. J. Munn. A parallel/distributed architecture for hierarchically heterogeneous Web-based cooperative applications. *Lecture Notes in Computer Science*, 1593:391–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Smith:1999:EDL**

- [1477] D. A. Smith. Effective dynamic load balancing of the UKMO tracer advection routines. *Lecture Notes in Computer Science*, 1593:402–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schoneveld:1999:DLB**

- [1478] A. Schoneveld, M. Lees, E. Karyadi, and P. M. A. Sloot. Dynamic load balancing in parallel finite element simulations. *Lecture Notes in Computer Science*, 1593:409–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ford:1999:LBR**

- [1479] R. W. Ford and M. O'Brien. A load balancing routine for the NAG parallel library. *Lecture Notes in Computer Science*, 1593:420–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Munz:1999:PAP**

- [1480] F. Munz, T. Ludwig, S. Ziegler, and P. Bartenstein. Performance assessment of parallel spectral analysis: Towards a practical performance model for parallel medical applications. *Lecture Notes in Computer Science*, 1593:

430–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Yu:1999:PAP**

- [1481] S. Yu, M. Clement, Q. Snell, and B. Morse. Parallel algorithm and processor selection based on fuzzy logic. *Lecture Notes in Computer Science*, 1593:440–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kechadi:1999:RNN**

- [1482] M.-T. Kechadi. Recurrent neural network approach for partitioning irregular graphs. *Lecture Notes in Computer Science*, 1593:450–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hu:1999:JSD**

- [1483] W. Hu, W. Shi, and Z. Tang. JIA-JIA: A software DSM system based on a new cache coherence protocol. *Lecture Notes in Computer Science*, 1593:463–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Harper:1999:EAM**

- [1484] J. S. Harper, D. J. Kerbyson, and G. R. Nudd. Efficient analytical modelling of multi-level set-associative caches. *Lecture Notes in Computer Science*, 1593:473–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kotapati:1999:BMW**

- [1485] K. Kotapati and S. P. Dandamudi. Buffer management in wormhole-routed torus multicomputer networks.

*Lecture Notes in Computer Science*, 1593:483–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pan:1999:PAB**

- [1486] K.-H. Pan, H.-K. Wu, R.-J. Shang, and F. Lai. Performance analysis of broadcast in synchronized multihop wireless networks. *Lecture Notes in Computer Science*, 1593:493–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wolf:1999:EPE**

- [1487] F. Wolf and B. Mohr. EARL — A programmable and extensible toolkit for analyzing event traces of message passing programs. *Lecture Notes in Computer Science*, 1593:503–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Blackburn:1999:XES**

- [1488] K. Blackburn, A. Lazzarini, T. Prince, and R. Williams. XSIL: Extensible scientific interchange language. *Lecture Notes in Computer Science*, 1593:513–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kessler:1999:FCS**

- [1489] C. W. Kessler and H. Seidl. ForkLight: A control-synchronous parallel programming language. *Lecture Notes in Computer Science*, 1593:525–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DiMartino:1999:HPM**

- [1490] B. Di Martino, M. Celino, and V. Rosato. HPF parallelization of a

molecular dynamics code: Strategies and performances. *Lecture Notes in Computer Science*, 1593:535–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bubak:1999:DHP**

- [1491] M. Bubak, J. T. Moscicki, and J. Shiers. Design of high-performance C++ package for handling of multidimensional histograms. *Lecture Notes in Computer Science*, 1593:543–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Oguchi:1999:DRM**

- [1492] M. Oguchi and M. Kitsuregawa. Dynamic remote memory acquiring for parallel data mining on PC cluster: Preliminary performance results. *Lecture Notes in Computer Science*, 1593:553–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Aloisio:1999:DPP**

- [1493] G. Aloisio, M. Cafaro, and R. Williams. The digital puglia project: An active digital library of remote sensing data. *Lecture Notes in Computer Science*, 1593:563–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chattratchat:1999:ADE**

- [1494] J. Chattratchat, J. Darlington, Y. Guo, and S. Hedvall. An architecture for distributed enterprise data mining. *Lecture Notes in Computer Science*, 1593:573–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Li:1999:RSM**

- [1495] S. Li and A. L. Ananda. Representatives selection in multicast group. *Lecture Notes in Computer Science*, 1593:583–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zambonelli:1999:DPI**

- [1496] F. Zambonelli. Deadlock prevention in incremental replay of message-passing programs. *Lecture Notes in Computer Science*, 1593:593–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hobbs:1999:RCP**

- [1497] M. Hobbs and A. Goscinski. Remote and concurrent process duplication for SPMD based parallel processing on COWs. *Lecture Notes in Computer Science*, 1593:603–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zavenella:1999:UBO**

- [1498] A. Zavenella and S. Pelagatti. Using BSP to optimize data distribution in skeleton programs. *Lecture Notes in Computer Science*, 1593:613–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Brauss:1999:STC**

- [1499] S. Brauss, M. Frey, A. Gunzinger, and M. Lienhard. Swiss-Tx communication libraries. *Lecture Notes in Computer Science*, 1593:623–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zingirian:1999:FOU**

- [1500] N. Zingirian and M. Maresca. Finding the optimal unroll-and-jam. *Lecture Notes in Computer Science*, 1593:633–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cilio:1999:LEW**

- [1501] A. G. M. Cilio and H. Corporaal. A linker for effective whole-program optimizations. *Lecture Notes in Computer Science*, 1593:643–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Silber:1999:NLT**

- [1502] G.-A. Silber and A. Darté. The Nestor library: A tool for implementing Fortran source to source transformations. *Lecture Notes in Computer Science*, 1593:653–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Takabatake:1999:PMS**

- [1503] M. Takabatake, H. Honda, and T. Yuba. Performance measurements on sandglass-type parallelization of doacross loops. *Lecture Notes in Computer Science*, 1593:663–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boekhold:1999:TPA**

- [1504] M. Boekhold, I. Karkowski, and H. Corporaal. Transforming and parallelizing ANSI C programs using pattern recognition. *Lecture Notes in Computer Science*, 1593:673–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Zeng:1999:CAP**

- [1505] S. Zeng and S. P. Dandamudi. Centralized architecture for parallel query processing on networks of workstations. *Lecture Notes in Computer Science*, 1593:683–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kitowski:1999:OOD**

- [1506] J. Kitowski, D. Wajs, and P. Trzeciak. Object-oriented database system for large-scale molecular dynamics simulations. *Lecture Notes in Computer Science*, 1593:693–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Deshpande:1999:VEM**

- [1507] V. Deshpande, L. Fornasier, E. A. Gerteisen, and N. Hilbrink. Virtual engineering of multi-disciplinary applications and the significance of seamless accessibility of geometry data. *Lecture Notes in Computer Science*, 1593:702–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tomov:1999:SRN**

- [1508] N. Tomov, E. Dempster, M. H. Williams, and A. Burger. Some results from a new technique for response time estimation in parallel DBMS. *Lecture Notes in Computer Science*, 1593:713–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Vinter:1999:PDS**

- [1509] B. Vinter, O. J. Anshus, and T. Larsen. PastSet — A distributed structured

shared memory system. *Lecture Notes in Computer Science*, 1593:722–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Piriyakurnar:1999:OSI**

- [1510] D. A. L. Piriyakurnar, P. Levi, and C. S. R. Murthy. Optimal scheduling of iterative data-flow programs onto multiprocessors with non-negligible interprocessor communication. *Lecture Notes in Computer Science*, 1593:732–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Baude:1999:OCC**

- [1511] F. Baude, D. Caromel, N. Furmento, and D. Sagnol. Overlapping communication with computation in distributed object systems. *Lecture Notes in Computer Science*, 1593:744–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Marcuello:1999:EST**

- [1512] P. Marcuello and A. Gonzalez. Exploiting speculative thread-level parallelism on a SMT processor. *Lecture Notes in Computer Science*, 1593:754–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Matsuda:1999:NIA**

- [1513] M. Matsuda, Y. Tanaka, K. Kubota, and M. Sato. Network interface active messages for low overhead communication on SMP PC clusters. *Lecture Notes in Computer Science*, 1593:764–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bernaschi:1999:ERA**

- [1514] M. Bernaschi, G. Iannello, and M. Lauria. Experimental results about MPI collective communication operations. *Lecture Notes in Computer Science*, 1593:774–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Dimitrelos:1999:MSD**

- [1515] D. Dimitrelos and C. Halatsis. MaD-CoWS: A scalable distributed shared memory environment for massively parallel multiprocessors. *Lecture Notes in Computer Science*, 1593:784–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cleary:1999:VGV**

- [1516] D. Cleary and D. O’Donoghue. Visual-Expresso: Generating a virtual reality Internet. *Lecture Notes in Computer Science*, 1593:797–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Boyd:1999:VUC**

- [1517] D. R. S. Boyd, J. R. Gallop, K. E. V. Pahlen, and R. T. Platon. VIVRE: User-centred visualization. *Lecture Notes in Computer Science*, 1593:807–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Belleman:1999:GGP**

- [1518] R. G. Belleman, J. A. Kaandorp, D. Dijkman, and P. M. A. Sloot. GEO-PROVE: Geometric probes for virtual environments. *Lecture Notes in Computer Science*, 1593:817–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Moreira:1999:GSS**

- [1519] J. E. Moreira, H. Franke, W. Chan, and L. L. Fong. A gang-scheduling system for ASCI Blue-Pacific. *Lecture Notes in Computer Science*, 1593:831–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Karl:1999:TQS**

- [1520] H. Karl. Towards quality of service for parallel computing: An overview of the MILAN project. *Lecture Notes in Computer Science*, 1593:841–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schwiegelshohn:1999:RAS**

- [1521] U. Schwiegelshohn and R. Yahyapour. Resource allocation and scheduling in metasystems. *Lecture Notes in Computer Science*, 1593:851–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Walker:1999:UJH**

- [1522] D. Walker and O. Rana. The use of Java in high performance computing: A data mining example. *Lecture Notes in Computer Science*, 1593:863–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Coddington:1999:IIR**

- [1523] P. D. Coddington, J. A. Mathew, and K. A. Hawick. Interfaces and implementations of random number generators for Java Grande applications. *Lecture Notes in Computer Science*, 1593:873–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Gimbel:1999:JBP**

- [1524] M. Gimbel, M. Philippsen, B. Haumacher, and P. C. Lockemann. Java as a basis for parallel data mining in workstation clusters. *Lecture Notes in Computer Science*, 1593:884–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Krall:1999:GCL**

- [1525] A. Krall and P. Tomsich. Garbage collection for large memory Java applications. *Lecture Notes in Computer Science*, 1593:895–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Marsh:1999:EVM**

- [1526] A. Marsh, T. Kauranne, G. Zahlmann, and A. Emmen. The emergence of virtual medical worlds. *Lecture Notes in Computer Science*, 1593:909–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Moore:1999:CUM**

- [1527] M. Moore. Characteristics of users of medical innovations. *Lecture Notes in Computer Science*, 1593:912–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Blobel:1999:SAD**

- [1528] B. Blobel, P. Pharow, and F. Roger-France. Security analysis and design based on a general conceptual security model and UML. *Lecture Notes in Computer Science*, 1593:919–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Anonymous:1999:IDA**

- [1529] Anonymous. 3DHeartView: Introducing 3-dimensional angiographical modelling. *Lecture Notes in Computer Science*, 1593:931–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ohlsson:1999:WBS**

- [1530] M. Ohlsson, A. Jaerund, and L. Edenbrandt. WWW based service for automated interpretation of diagnostic images: The AIDI-Heart project. *Lecture Notes in Computer Science*, 1593:941–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kokol:1999:DTC**

- [1531] P. Kokol, M. Zorman, K. Podgorlec, and A. Habjanic. Decision trees — A CIM tool in nursing education. *Lecture Notes in Computer Science*, 1593:951–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Samiotakis:1999:HII**

- [1532] Y. Samiotakis, S. Anagnostopoulou, and A. Alexakis. HealthLine: Integrated information provision to telemedicine networks. *Lecture Notes in Computer Science*, 1593:959–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jovahov:1999:MMP**

- [1533] E. Jovahov, D. Starcevic, A. Marsh, and Z. Obrenovic. Multi modal presentation in virtual telemedical environments. *Lecture Notes in Computer Science*, 1593:964–??, 1999. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Stamatakis:1999:UWT**

- [1534] G. S. Stamatakis, E. I. Zacharaki, N. A. Mouravliansky, and K. K. Delibasis. Using Web technologies and meta-computing to visualise a simplified simulation model of tumor growth in vitro. *Lecture Notes in Computer Science*, 1593:973–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Polemi:1999:ECC**

- [1535] D. Polemi and A. Marsh. The electronic commerce component in telemedicine. *Lecture Notes in Computer Science*, 1593:983–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Delibasis:1999:EIM**

- [1536] K. K. Delibasis, G. K. Matsopoulos, N. A. Mouravliansky, and K. S. Nikita. Efficient implementation of the marching cubes algorithm for rendering medical data. *Lecture Notes in Computer Science*, 1593:989–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Chan:1999:MAE**

- [1537] T. F. Chan and P. Vanek. Multilevel algebraic elliptic solvers. *Lecture Notes in Computer Science*, 1593:1001–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rokicki:1999:PPC**

- [1538] J. Rokicki, D. Drikakis, J. Majewski, and J. Zoltak. Parallel performance of chimera overlapping mesh

technique. *Lecture Notes in Computer Science*, 1593:1015–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jacques:1999:ESB**

- [1539] T. Jacques, L. Nicolas, and C. Voilaire. Electromagnetic scattering with the boundary integral method on MIMD systems. *Lecture Notes in Computer Science*, 1593:1025–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Roest:1999:DCN**

- [1540] M. R. T. Roest and E. A. H. Vollebregt. Decomposition of complex numerical software into cooperating components. *Lecture Notes in Computer Science*, 1593:1032–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Baird:1999:MBP**

- [1541] S. Baird and J. J. McGuirk. Multi-block parallel simulation of fluid flow in a fuel cell. *Lecture Notes in Computer Science*, 1593:1042–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Vuik:1999:PIB**

- [1542] C. Vuik and J. Frank. A parallel implementation of the block preconditioned GCR method. *Lecture Notes in Computer Science*, 1593:1052–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Brok:1999:CTP**

- [1543] S. W. Brok and L. Dekker. Comparison of two parallel analytic simulation models of inhomogeneous distributed

parameter systems. *Lecture Notes in Computer Science*, 1593:1061–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cooper:1999:CSF**

- [1544] T. Cooper. Case studies of four industrial meta-applications. *Lecture Notes in Computer Science*, 1593:1077–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Aretzaz:1999:PAS**

- [1545] M. Aretzaz, R. Doallo, J. Touriño, and C. Vazquez. A parallel approach for solving a lubrication problem in industrial devices. *Lecture Notes in Computer Science*, 1593:1087–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kandemir:1999:RIC**

- [1546] M. Kandemir, A. Choudhary, and J. Ramanujam. Restructuring I/O-intensive computations for locality. *Lecture Notes in Computer Science*, 1593:1097–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Caron:1999:VMM**

- [1547] E. Caron, O. Cozette, D. Lazure, and G. Utard. Virtual memory management in data parallel applications. *Lecture Notes in Computer Science*, 1593:1107–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**No:1999:HPP**

- [1548] J. No, J. Carretero, and A. Choudhary. High performance parallel I/O schemes for irregular applications on

clusters of workstations. *Lecture Notes in Computer Science*, 1593:1117–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Brezany:1999:ADR**

- [1549] P. Brezany and M. Winslett. Advanced data repository support for Java scientific programming. *Lecture Notes in Computer Science*, 1593:1127–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Agrawal:1999:ACO**

- [1550] G. Agrawal. Advanced communication optimizations for data-parallel programs. *Lecture Notes in Computer Science*, 1593:1139–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Telford:1999:CAS**

- [1551] S. O. Telford. A cellular automata simulation environment for modelling soil bioremediation. *Lecture Notes in Computer Science*, 1593:1143–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Shi:1999:HEP**

- [1552] W. Shi, J. Ma, and Z. Tang. High efficient parallel computation of resonant frequencies of waveguide loaded cavities on JIAJIA software DSMs. *Lecture Notes in Computer Science*, 1593:1147–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Iikura:1999:SPI**

- [1553] M. Iikura, K. Kobayashi, T. Yoshioka, and S. Ihara. A study of parallel image processing in a distributed pro-

cessing environment. *Lecture Notes in Computer Science*, 1593:1151–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Manoharan:1999:DPD**

- [1554] S. Manoharan. Data prefetching for digital alpha. *Lecture Notes in Computer Science*, 1593:1155–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wang:1999:CSB**

- [1555] S.-Y. Wang, Y.-C. Tseng, S.-Y. Ni, and J.-P. Sheu. Circuit-switched broadcast in multi-port 2D tori. *Lecture Notes in Computer Science*, 1593:1159–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Koranne:1999:DAE**

- [1556] S. Koranne. A distributed algorithm for the estimation of average switching activity in combinational circuits. *Lecture Notes in Computer Science*, 1593:1163–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Ranawake:1999:BTM**

- [1557] U. A. Ranawake and J. E. Dorband. BVIEW: A tool for monitoring distributed systems. *Lecture Notes in Computer Science*, 1593:1167–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Girona:1999:QSW**

- [1558] S. Girona, S. Bello, J. Labarta, and P. Ribes. The queue system within PHASE. *Lecture Notes in Computer Science*, 1593:1171–??, 1999. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kasyanov:1999:STS**

- [1559] V. N. Kasyanov, V. A. Evstigneev, J. V. Malinina, and J. V. Birjukova. Support tools for supercomputing and networking. *Lecture Notes in Computer Science*, 1593:1175–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**DeNicola:1999:CAC**

- [1560] R. De Nicola. Coordination and access control of mobile agents. *Lecture Notes in Computer Science*, 1594:1–2, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Lange:1999:CAS**

- [1561] D. B. Lange. Characteristics of an agent scripting language and its execution environment. *Lecture Notes in Computer Science*, 1594:3–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bryce:1999:CMA**

- [1562] C. Bryce, M. Oriol, and J. Vitek. A coordination model for agents based on secure spaces. *Lecture Notes in Computer Science*, 1594:4–20, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wood:1999:CA**

- [1563] A. M. Wood. Coordination with attributes. *Lecture Notes in Computer Science*, 1594:21–36, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Mascolo:1999:MSL**

- [1564] C. Mascolo. MobiS: A specification language for mobile systems. *Lecture Notes in Computer Science*, 1594:37–52, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Murillo:1999:CRP**

- [1565] J. M. Murillo, J. Hernandez, F. Sanchez, and L. A. Alvarez. Coordinated roles: Promoting re-usability of coordinated active objects using event notification protocols. *Lecture Notes in Computer Science*, 1594:53–68, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Weichert:1999:PMS**

- [1566] M. Weichert. Pipelining the molecule soup: A plumber’s approach to gamma. *Lecture Notes in Computer Science*, 1594:69–84, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Moran:1999:EFS**

- [1567] A. Moran, D. Sands, and M. Carlsson. Erratic fudgets: A semantic theory for an embedded coordination language. *Lecture Notes in Computer Science*, 1594:85–102, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Budde:1999:CSP**

- [1568] R. Budde, G. M. Pinna, and A. Poigne. Coordination of synchronous programs. *Lecture Notes in Computer Science*, 1594:103–117, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Montangero:1999:CSC**

- [1569] C. Montangero and L. Semini. Composing specifications for coordination. *Lecture Notes in Computer Science*, 1594:118–133, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Brogi:1999:ECM**

- [1570] A. Brogi and J.-M. Jacquet. On the expressiveness of coordination models. *Lecture Notes in Computer Science*, 1594:134–149, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Bonsangue:1999:CSA**

- [1571] M. M. Bonsangue, J. N. Kok, and G. Zavattaro. Comparing software architectures for coordination languages. *Lecture Notes in Computer Science*, 1594:150–165, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Varela:1999:HMC**

- [1572] C. Varela and G. Agha. A hierarchical model of coordination of concurrent activities. *Lecture Notes in Computer Science*, 1594:166–182, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Tschudin:1999:SDE**

- [1573] C. F. Tschudin. A self-deploying election service for active networks. *Lecture Notes in Computer Science*, 1594:183–195, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rowstron:1999:MCO**

- [1574] A. Rowstron. Mobile co-ordination: Providing fault tolerance in tuple space based co-ordination languages. *Lecture Notes in Computer Science*, 1594:196–210, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sekiguchi:1999:SEJ**

- [1575] T. Sekiguchi, H. Masuhara, and A. Yonezawa. A simple extension of Java language for controllable transparent migration and its portable implementation. *Lecture Notes in Computer Science*, 1594:211–226, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Petre:1999:CAM**

- [1576] L. Petre and K. Sere. Coordination among mobile objects. *Lecture Notes in Computer Science*, 1594:227–242, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Scutella:1999:SCM**

- [1577] A. Scutella. Simulation of conference management using an event-driven coordination language. *Lecture Notes in Computer Science*, 1594:243–258, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Rossi:1999:IBC**

- [1578] D. Rossi and F. Vitali. Internet-based coordination environments and document-based applications: A case study. *Lecture Notes in Computer Science*, 1594:259–274, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Everaars:1999:CPP**

- [1579] C. T. H. Everaars and B. Lissers. Coordination of a parallel proposition solver. *Lecture Notes in Computer Science*, 1594:275–290, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Sample:1999:CCL**

- [1580] N. Sample, D. Beringer, L. Melloul, and G. Wiederhold. CLAM: Composition language for autonomous megamodules. *Lecture Notes in Computer Science*, 1594:291–306, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Podorozhny:1999:MRA**

- [1581] R. M. Podorozhny, B. Staudt Lerner, and L. J. Osterweil. Modeling resources for activity coordination and scheduling. *Lecture Notes in Computer Science*, 1594:307–322, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Attanasio:1999:SAR**

- [1582] C. Attanasio, F. Corradini, and P. Inverardi. Static analysis of real-time component-based systems configurations. *Lecture Notes in Computer Science*, 1594:323–339, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Garlan:1999:ABS**

- [1583] D. Garlan and Z. Wang. Acme-based software architecture interchange. *Lecture Notes in Computer Science*, 1594:340–354, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cruz:1999:GBA**

- [1584] J. C. Cruz and S. Ducasse. A group based approach for coordinating active objects. *Lecture Notes in Computer Science*, 1594:355–370, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Assmann:1999:ICC**

- [1585] U. Assmann and A. Ludwig. Introducing connections into classes with static meta-programming. *Lecture Notes in Computer Science*, 1594:371–383, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Jamison:1999:TAC**

- [1586] W. C. Jamison and D. Lea. TRUCE: Agent coordination through concurrent interpretation of role-based protocols. *Lecture Notes in Computer Science*, 1594:384–398, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Schumacher:1999:SCL**

- [1587] M. Schumacher, F. Chantemargue, and B. Hirsbrunner. The STL++ coordination language: A base for implementing distributed multi-agent applications. *Lecture Notes in Computer Science*, 1594:399–414, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Buffo:1999:DSI**

- [1588] M. Buffo and D. Buchs. A distributed semantics for a IWIM-based coordination language. *Lecture Notes in Computer Science*, 1594:415–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Cremonini:1999:CCA**

- [1589] M. Cremonini, A. Omicini, and F. Zambonelli. Coordination in context: Authentication, authorisation and topology in mobile agent applications. *Lecture Notes in Computer Science*, 1594:416–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Day:1999:PIM**

- [1590] M. Day. Presence and instant messaging via HTTP/1.1: A coordination perspective. *Lecture Notes in Computer Science*, 1594:417–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hirsch:1999:TPT**

- [1591] D. Hirsch, S. Uchitel, and D. Yankelevich. Towards a periodic table of connectors. *Lecture Notes in Computer Science*, 1594:418, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Assmann:1999:PRI**

- [1592] C. Assmann. Performance results for an implementation of the process coordination language K2. *Lecture Notes in Computer Science*, 1595:1–19, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Charles:1999:IAP**

- [1593] N. Charles and C. Runciman. An interactive approach to profiling parallel functional programs. *Lecture Notes in Computer Science*, 1595:20–37, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Grelck:1999:SMM**

- [1594] C. Grelck. Shared memory multiprocessor support for SAC. *Lecture Notes in Computer Science*, 1595:38–53, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Hall:1999:TOS**

- [1595] J. G. Hall, C. Baker-Finch, P. Trinder, and D. J. King. Towards an operational semantics for a parallel non-strict functional language. *Lecture Notes in Computer Science*, 1595:54–71, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Holyer:1999:CMI**

- [1596] I. Holyer and E. Spiliopoulou. Concurrent monadic interfacing. *Lecture Notes in Computer Science*, 1595:72–87, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**King:1999:SPG**

- [1597] D. J. King, J. G. Hall, and P. Trinder. A strategic profiler for Glasgow Parallel Haskell. *Lecture Notes in Computer Science*, 1595:88–102, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Klusik:1999:IED**

- [1598] U. Klusik, Y. Ortega, and R. Peña. Implementing Eden — or: Dreams become reality. *Lecture Notes in Computer Science*, 1595:103–119, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Koopman:1999:ECP**

- [1599] P. Koopman and R. Plasmeijer. Efficient combinator parsers. *Lecture Notes in Computer Science*, 1595:120–136, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**McAdam:1999:UST**

- [1600] B. J. McAdam. On the unification of substitutions in type inference. *Lecture Notes in Computer Science*, 1595:137–152, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pape:1999:HOD**

- [1601] D. Pape. Higher order demand propagation. *Lecture Notes in Computer Science*, 1595:153–168, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Pil:1999:DTT**

- [1602] M. Pil. Dynamic types and type dependent functions. *Lecture Notes in Computer Science*, 1595:169–185, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Reid:1999:PSB**

- [1603] A. Reid. Putting the spine back in the spineless tagless G-machine: An implementation of resumable black-holes. *Lecture Notes in Computer Science*, 1595:186–199, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Reinke:1999:THJ**

- [1604] C. Reinke. Towards a Haskell/Java connection. *Lecture Notes in Computer Science*, 1595:200–215, 1999. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Scholz:1999:CSE**

- [1605] S.-B. Scholz. A case study: Effects of WITH-Loop-Folding on the NAS benchmark MG in SAC. *Lecture Notes in Computer Science*, 1595:216–228, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Serrarens:1999:EMP**

- [1606] P. R. Serrarens and R. Plasmeijer. Explicit message passing for concurrent clean. *Lecture Notes in Computer Science*, 1595:229–246, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Wade:1999:TFT**

- [1607] Vincent P. Wade. Towards future telecommunications management architectures. *Lecture Notes in Computer Science*, 1597:1–2, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970001.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970001.pdf>.

**Davison:1999:PPT**

- [1608] Rob Davison and Terry Turner. A practical perspective on TMN evolution. *Lecture Notes in Computer Science*, 1597:3–12, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970003.htm>; <http://link.springer-ny.com/link/service/>

series/0558/papers/1597/15970003.pdf.

**Hellemans:1999:AMT**

- [1609] Patrick Hellemans, Cliff Redmond, Koen Daenen, and Dave Lewis. Accounting management in a TINA-based service and network environment. *Lecture Notes in Computer Science*, 1597:13–24, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970013.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970013.pdf>.

**Davison:1999:NAO**

- [1610] Rob Davison and Jim Hardwicke. A new architecture for open and distributed network management. *Lecture Notes in Computer Science*, 1597:25–38, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970025.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970025.pdf>.

**Athanassiou:1999:IBR**

- [1611] Eleutherios Athanassiou. Intelligence in brokerage and retrieval. *Lecture Notes in Computer Science*, 1597:39–40, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970039.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970039.pdf>.

series/0558/papers/1597/15970039.pdf.

**Gleizes:1999:SOL**

- [1612] Marie Pierre Gleizes, Alain Léger, Eleutherios Athanassiou, and Pierre Glize. Self-organization and learning in MultiAgent based brokerage services. *Lecture Notes in Computer Science*, 1597:41–54, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970041.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970041.pdf>.

**Bessonov:1999:OAD**

- [1613] Mikhail Bessonov, Udo Heuser, Igor Nekrestyanov, and Ahmed Patel. Open architecture for distributed search systems. *Lecture Notes in Computer Science*, 1597:55–69, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970055.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970055.pdf>.

**Nekrestyanov:1999:BTS**

- [1614] Igor Nekrestyanov, Tadhg O’Meara, Ahmed Patel, and Ekaterina Romanova. Building topic-specific collections with intelligent agents. *Lecture Notes in Computer Science*, 1597:70–82, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970082.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970082.pdf>.

- bibs/1597/15970070.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970070.pdf>. [1618]
- Start:1999:I**
- [1615] Keith Start. Interworking. *Lecture Notes in Computer Science*, 1597:83–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970083.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970083.pdf>.
- Mitra:1999:DCT**
- [1616] Nilo Mitra and Rob Brennan. Design of the CORBA/TC interworking gateway. *Lecture Notes in Computer Science*, 1597:84–100, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970084.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970084.pdf>. [1620]
- Fischbeck:1999:CIS**
- [1617] Nils Fischbeck and Olaf Kath. CORBA interworking over SS.7. *Lecture Notes in Computer Science*, 1597:101–113, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970101.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970101.pdf>. [1621]
- Brennan:1999:SSN**
- Rob Brennan, Brendan Jennings, and Thomas Curran. Signalling system no. 7 as an agent platform message transport protocol. *Lecture Notes in Computer Science*, 1597:114–128, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970114.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970114.pdf>.
- Quantz:1999:IAT**
- [1619] Joachim Quantz. Issues in agent technology. *Lecture Notes in Computer Science*, 1597:129–130, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970129.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970129.pdf>.
- Kaasinen:1999:UCA**
- Eija Kaasinen. Usability challenges in agent based services. *Lecture Notes in Computer Science*, 1597:131–142, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970131.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970131.pdf>.
- Breugst:1999:MMA**
- Markus Breugst and Sang Choy. Management of mobile agent based ser-

- vices. *Lecture Notes in Computer Science*, 1597:143–154, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970143.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970143.pdf>.
- Schelderup:1999:MAS**
- [1622] Kristian Schelderup and Jon Ølnes. Mobile agent security — issues and directions. *Lecture Notes in Computer Science*, 1597:155–167, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970155.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970155.pdf>.
- Choy:1999:CES**
- [1623] Sang Choy, Markus Breugst, and Thomas Magedanz. A CORBA environment supporting mobile objects. *Lecture Notes in Computer Science*, 1597:168–180, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970168.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970168.pdf>.
- Donnelly:1999:CR**
- [1624] Willie Donnelly. Component reuse. *Lecture Notes in Computer Science*, 1597:181–182, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970181.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970181.pdf>.
- Hubert:1999:WBS**
- [1625] Christian Hubert. Web-based service customization in an IN-TINA environment. *Lecture Notes in Computer Science*, 1597:183–193, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970183.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970183.pdf>.
- Maknavicius:1999:CTS**
- [1626] Linas Maknavicius, Gautier Koscielny, and Simon Znaty. Customizing telecommunication services: Patterns, issues, and models. *Lecture Notes in Computer Science*, 1597:194–209, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970194.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970194.pdf>.
- Lewis:1999:MMC**
- [1627] Dave Lewis, Chris Malbon, and Alina DaCruz. Modelling management components for reuse using UML. *Lecture Notes in Computer Science*, 1597:210–222, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (elec-

tronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970210.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970210.pdf>.

**Vandermeulen:1999:ADM**

- [1628] Filip Vandermeulen, Piet Demeester, Piet De Ceuleners, and Jean-Marc Reynders. Automated design of modular SNMP-CORBA gateways and their application for the development of an ADSL access network manager. *Lecture Notes in Computer Science*, 1597:223–238, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970223.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970223.pdf>.

**Zizza:1999:MM**

- [1629] Fabrizio Zizza. Mobility management. *Lecture Notes in Computer Science*, 1597:239–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970239.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970239.pdf>.

**Francis:1999:RAU**

- [1630] John C. Francis and Bernhard Diem. Roaming aspects of ubiquitous mobile service support. *Lecture Notes in Computer Science*, 1597:240–249, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (elec-

tronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970240.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970240.pdf>.

**Macaire:1999:PND**

- [1631] Alain Macaire and David Carlier. A personal naming and directory service for UMTS users. *Lecture Notes in Computer Science*, 1597:250–262, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970250.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970250.pdf>.

**Donnelly:1999:AMA**

- [1632] Mark Donnelly, Ivan Griffin, Conor Morris, and John Nelson. The application of mobile agent technology to mobility management in MARINE. *Lecture Notes in Computer Science*, 1597:263–274, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970263.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970263.pdf>.

**Efremidis:1999:SC**

- [1633] Sofoklis Efremidis. Service creation. *Lecture Notes in Computer Science*, 1597:275–276, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://>

link.springer-ny.com/link/service/series/0558/bibs/1597/15970275.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970275.pdf>.

**Lodge:1999:ATS**

- [1634] Fiona Lodge, Kristofer Kimbler, and Manuel Hubert. Alignment of the TOSCA and SCREEN approaches to service creation. *Lecture Notes in Computer Science*, 1597:277–290, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970277.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970277.pdf>.

**Kaltabani:1999:SLD**

- [1635] Anastasia Kaltabani, Elsa Cardoso, Evangelia Tzifa, Panagiotis Demestichas, António Silva, and Miltiades Anagnostou. Service logic deployment and distribution configuration. *Lecture Notes in Computer Science*, 1597:291–304, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970291.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970291.pdf>.

**Ing:1999:SRT**

- [1636] Sarom Ing and Steve Rudkin. Simplifying real-time multimedia application development using session descriptions. *Lecture Notes in Computer Science*, 1597:305–314,

1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970305.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970305.pdf>.

**Kimbler:1999:ESP**

- [1637] Kristofer Kimbler, Carl-Henrik Hagenfeldt, Jan Ellsberger, and Gustav Bergman. An environment for IN service prototyping and validation. *Lecture Notes in Computer Science*, 1597:315–327, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970315.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970315.pdf>.

**Kind:1999:TSI**

- [1638] Andreas Kind, Miltiades E. Anagnostou, Malamati D. Louta, Jan Nicklisch, and Juan Tous. Towards the seamless integration of mobile agents into service creation practice. *Lecture Notes in Computer Science*, 1597:328–341, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970328.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970328.pdf>.

**Olsen:1999:PCU**

- [1639] Anders Olsen, Didier Demany, Elsa Cardoso, Fiona Lodge, Mario Kol-

berg, Morgan Björkander, and Richard Sinnott. The pros and cons of using SDL for creation of distributed services. *Lecture Notes in Computer Science*, 1597:342–354, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970342.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970342.pdf>.

**Delgado:1999:MSS**

[1640] Jaime Delgado. Multimedia services & security. *Lecture Notes in Computer Science*, 1597:355–356, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970355.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970355.pdf>.

**Sellin:1999:AVS**

[1641] Eric Sellin, Peter Loosemore, Sohail Rana, Jürgen Dittrich, and Maarten Wegdam. Audio/video stream binding in a pan-European service management platform. *Lecture Notes in Computer Science*, 1597:357–372, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970357.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970357.pdf>.

**Becchini:1999:JEM**

[1642] Roberto Becchini and Gianluca De Petris. Java enabled MPEG-4 services: The MPEG-J framework. *Lecture Notes in Computer Science*, 1597:373–384, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970373.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970373.pdf>.

**Hardjono:1999:KMF**

[1643] Thomas Hardjono. Key management framework for IP multicast infrastructure security. *Lecture Notes in Computer Science*, 1597:385–398, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970385.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970385.pdf>.

**Trigila:1999:MT**

[1644] Sebastiano Trigila. Mobility in TINA. *Lecture Notes in Computer Science*, 1597:399–400, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970399.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970399.pdf>.

**Lombardo:1999:PEA**

[1645] Alfio Lombardo, Pietro Nicosia, Sergio Palazzo, Marina Samarotto, and

Giovanni Schembra. Performance evaluation of an allocation strategy for TINA compliant mobile agents supporting PCS in a multi-retailer environment. *Lecture Notes in Computer Science*, 1597:401–415, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970401.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970401.pdf>.

**Kuepper:1999:LTU**

- [1646] A. Kuepper. Locating TINA user agents: Strategies for a broker federation and their comparison. *Lecture Notes in Computer Science*, 1597:416–428, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

**Kupper:1999:LTU**

- [1647] Axel Kupper. Locating TINA user agents: Strategies for a broker federation and their comparison. *Lecture Notes in Computer Science*, 1597:416–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970416.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970416.pdf>.

**Stamoulis:1999:ABS**

- [1648] George D. Stamoulis, Dimitrios Kalopsikakis, Anna Kirikoglou, Vasilios A. Siris, Didoe Prevedourou, Sofoklis Efremidis, and Henryka Jor-

makka. Agent-based service and retailer selection in a personal mobility context. *Lecture Notes in Computer Science*, 1597:429–442, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970429.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970429.pdf>.

**Galis:1999:DIS**

- [1649] Alex Galis. Distributed intelligence in services and networks. *Lecture Notes in Computer Science*, 1597:443–445, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970443.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970443.pdf>.

**Schoo:1999:MTR**

- [1650] Peter Schoo, Christian Egelhaaf, Tim Eckardt, Nazim Agoulmine, and Michael Tschichholz. Modularization of TINA reference points for information networking. *Lecture Notes in Computer Science*, 1597:446–458, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970446.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970446.pdf>.

**Solomonides:1999:REI**

- [1651] Christos Solomonides and Mark Searle. Relevance of existing intelligent network infrastructure to the Internet. *Lecture Notes in Computer Science*, 1597:459–468, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970459.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970459.pdf>.

**Faglia:1999:IDM**

- [1652] Lorenzo Faglia, Thomas Magedanz, and Andreas Papadakis. Introduction of DOT/MAT into a broadband IN architecture for flexible service provision. *Lecture Notes in Computer Science*, 1597:469–481, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970469.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970469.pdf>.

**Cabell:1999:UTP**

- [1653] Quincy Cabell, Peter Kirstein, Theodore Pagtzis, Thanassis Tiropanis, and Lichun Wang. The use of TINA principles in the management of Internet multimedia conferences. *Lecture Notes in Computer Science*, 1597:482–498, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970482.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970482.pdf>.

[/link.springer-ny.com/link/service/series/0558/papers/1597/15970482.pdf](http://link.springer-ny.com/link/service/series/0558/papers/1597/15970482.pdf).

**Ndumu:1999:ASR**

- [1654] Divine Ndumu. Agent support for resource, network, and enterprise management. *Lecture Notes in Computer Science*, 1597:499–500, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970499.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970499.pdf>.

**Molina:1999:KMM**

- [1655] Martín Molina and Sascha Ossowski. Knowledge modelling in multiagent systems: The case of the management of a national network. *Lecture Notes in Computer Science*, 1597:501–513, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970501.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970501.pdf>.

**Bigham:1999:MAS**

- [1656] John Bigham, Laurie Cuthbert, Alex Hayzelden, and Zhiyuan Luo. Multi-agent system for network resource management. *Lecture Notes in Computer Science*, 1597:514–526, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970526.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970526.pdf>.

bibs/1597/15970514.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970514.pdf>.

**Sugauchi:1999:EEM**

- [1657] Kiminori Sugauchi, Satoshi Miyazaki, Stefan Covaci, and Tianning Zhang. Efficiency evaluation of a mobile agent based network management system. *Lecture Notes in Computer Science*, 1597:527–535, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970527.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970527.pdf>.

**Covaci:1999:MIA**

- [1658] Stefan Covaci, Markus Zell, and Rudi Broos. A mobile intelligent agent based virtual enterprise support environment. *Lecture Notes in Computer Science*, 1597:536–549, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1597/15970536.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1597/15970536.pdf>.

**Yuan:1999:MBE**

- [1659] Soe-Tsyr Yuan. MAS building environments with product-line-architecture awareness. *Lecture Notes in Computer Science*, 1599:1–17, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1599/15990018.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1599/15990018.pdf>.

series/0558/bibs/1599/15990001.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1599/15990001.pdf>.

**Kinoshita:1999:AFF**

- [1660] Tetsuo Kinoshita and Kenji Sugawara. ADIPS framework for flexible distributed systems. *Lecture Notes in Computer Science*, 1599:18–32, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1599/15990018.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1599/15990018.pdf>.

**Vally:1999:CRG**

- [1661] Jean-Dany Vally and Rémy Courdier. A conceptual “role-centered” model for design of multi-agent systems. *Lecture Notes in Computer Science*, 1599:33–46, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1599/15990033.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1599/15990033.pdf>.

**Lee:1999:DAA**

- [1662] Jaeho Lee. Desiderata in agent architectures for coordinating multi-agent systems. *Lecture Notes in Computer Science*, 1599:47–60, 1999. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1599/15990047.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1599/15990047.pdf>.

- /link.springer-ny.com/link/service/series/0558/papers/1599/15990047.pdf.
- Lee:1999:TBN**
- [1663] Kyoung Jun Lee and Yong Sik Chang. Time-bounded negotiation framework for multi-agent coordination. *Lecture Notes in Computer Science*, 1599:61–75, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1599/15990061.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1599/15990061.pdf>.
- Wu:1999:FGT**
- [1664] Shih-Hung Wu and Von-Wun Soo. A fuzzy game theoretic approach to multi-agent coordination. *Lecture Notes in Computer Science*, 1599:76–87, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1599/15990076.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1599/15990076.pdf>.
- Lee:1999:PPR**
- [1665] Jung-Jin Lee and Robert McCartney. Partial plan recognition using predictive agents. *Lecture Notes in Computer Science*, 1599:88–102, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1599/15990088.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1599/15990088.pdf>.
- Ramamonjisoa:1999:MAC**
- [1666] David Ramamonjisoa. Multi-agent coordination with OASIS. *Lecture Notes in Computer Science*, 1599:103–117, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1599/15990103.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1599/15990103.pdf>.
- Hsiang:1999:PWR**
- [1667] Jieh Hsiang and Hsieh-Chang Tu. Personalized Web retrieval: Three agents for retrieving Web information. *Lecture Notes in Computer Science*, 1599:118–132, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1599/15990118.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1599/15990118.pdf>.
- Jieh:1999:PWR**
- [1668] H. Jieh and H.-C. Tu. Personalized Web retrieval: Three agents for retrieving Web information. *Lecture Notes in Computer Science*, 1599:118–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- Kitamura:1999:SAM**
- [1669] Yasuhiko Kitamura, Tomoya Noda, and Shoji Tatsumi. Single-agent and multi-agent approaches to WWW information integration. *Lecture Notes*

in *Computer Science*, 1599:133–147, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1599/15990133.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1599/15990133.pdf>.

**Hsu:1999:MAF**

- [1670] Jane Yung jen Hsu. A multi-agent framework for intranet service integration. *Lecture Notes in Computer Science*, 1599:148–161, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1599/15990148.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1599/15990148.pdf>.

**Wang:1999:SAM**

- [1671] Xiao Feng Wang, Kwok Yan Lam, and X. Yi. Secure agent-mediated mobile payment. *Lecture Notes in Computer Science*, 1599:162–173, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1599/15990162.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1599/15990162.pdf>.

**Wang:1999:SCS**

- [1672] Hongxue Wang, Vijay Varadharajan, and Yan Zhang. A secure communication scheme for multiagent systems. *Lecture Notes*

in *Computer Science*, 1599:174–186, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1599/15990174.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1599/15990174.pdf>.

**Anonymous:1999:AIf**

- [1673] Anonymous. Author index. *Lecture Notes in Computer Science*, 1599:187–??, 1999. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/papers/1599/1599indx.pdf>.