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X [521]. **X-Ray** [521]. **XACML** [257]. **XIV** [629].

Zeno [545].

References

Bojanczyk:2012:FMS

[1] Mikołaj Bojańczyk and Sławomir Lasota. Fraenkel–Mostowski sets with non-homogeneous atoms. *Lecture Notes in Computer Science*, 7550:1–5, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33512-9_1/`.

Salvati:2012:RSK

[2] Sylvain Salvati and Igor Walukiewicz. Recursive schemes, Krivine machines, and collapsible pushdown automata. *Lecture Notes in Computer Science*, 7550:6–20, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33512-9_2/`.

Ouaknine:2012:DPL

[3] Joël Ouaknine and James Worrell. Decision problems for linear recurrence sequences. *Lecture Notes in Computer Science*, 7550:21–28, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33512-9_3/`.

Kucera:2012:PGC

[4] Antonín Kučera. Playing games with counter automata. *Lecture Notes in Computer Science*, 7550:29–41, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33512-9_4/`.

Felscher:2012:LMC

[5] Ingo Felscher. LTL-model-checking via model composition. *Lecture Notes in Computer Science*, 7550:42–53, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33512-9_5/`.

Haase:2012:RBR

[6] Christoph Haase, Joël Ouaknine, and James Worrell. On the relationship between reachability problems in timed and counter automata. *Lecture Notes in Computer Science*, 7550:54–65, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33512-9_6/`.

Brocchi:2012:SSP

[7] Stefano Brocchi and Paolo Massazza. Smooth sand piles. *Lecture Notes in Computer Science*, 7550:66–78, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33512-9_7/`.

Benvenuti:2012:ADC

[8] Luca Benvenuti, Davide Bresolin, Pieter Collins, and Alberto Ferrari. Ariadne: Dominance checking of nonlinear hybrid automata using reachability analysis. *Lecture Notes in Computer Science*, 7550:

79–91, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33512-9_8/`.

Akshay:2012:RTPa

[9] S. Akshay, Loïc Hélouët, Claude Jard, and Pierre-Alain Reynier. Robustness of time Petri nets under guard enlargement. *Lecture Notes in Computer Science*, 7550:92–106, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33512-9_9/`.

Ghorbal:2012:EPM

[10] Khalil Ghorbal, Parasara Sridhar Duggirala, and Vineet Kahlon. Efficient probabilistic model checking of systems with ranged probabilities. *Lecture Notes in Computer Science*, 7550:107–120, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33512-9_10/`.

Saleh:2012:LKT

[11] Rafiq Saleh. On the length of knot transformations via Reidemeister moves I and II. *Lecture Notes in Computer Science*, 7550:121–136, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33512-9_11/`.

Hansch:2012:ILS

[12] Paul Hänsch and Stefan Kowalewski. Invariants for LTI systems with uncertain input. *Lecture Notes in Computer Science*, 7550:137–148, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33512-9_12/`.

Anonymous:2012:BMa

[13] Anonymous. Back matter. *Lecture Notes in Computer Science*, 7550: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/content/pdf/bbm:978-3-642-33512-9/1`.

Anonymous:2012:FMa

[14] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7550: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/content/pdf/bfm:978-3-642-33512-9/1`.

Rautenbach:2012:AI

[15] Dieter Rautenbach. Account on intervals. *Lecture Notes in Computer Science*, 7551:1, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/accesspage/chapter/10.1007/978-3-642-34611-8_1`.

Peleg:2012:CRS

[16] David Peleg. Constructing resilient structures in graphs: Rigid vs. competitive fault-tolerance. *Lecture Notes in Computer Science*, 7551:2, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/accesspage/chapter/10.1007/978-3-642-34611-8_2`.

Bhattacharya:2012:ARI

[17] Amitava Bhattacharya. Alternating reachability and integer sum of closed alternating trails. *Lecture Notes in Computer Science*, 7551:3, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/accesspage/chapter/10.1007/978-3-642-34611-8_3`.

Golumbic:2012:SPS

[18] Martin Charles Golumbic, Michal Stern, Avivit Levy, and Gila Morgenstern. Student poster session. *Lecture Notes in Computer Science*, 7551:4–6, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34611-8_4/`.

Berry:2012:TCS

[19] Anne Berry and Annegret Wagler. Triangulation and clique separator decomposition of claw-free graphs. *Lecture Notes in Computer Science*, 7551:7–21, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34611-8_5/`.

Bonomo:2012:MWC

[20] Flavia Bonomo, Gianpaolo Oriolo, and Claudia Snels. Minimum weighted clique cover on strip-composed perfect graphs. *Lecture Notes in Computer Science*, 7551:22–33, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34611-8_6/`.

Kratsch:2012:GIG

[21] Stefan Kratsch and Pascal Schweitzer. Graph isomorphism for graph classes characterized by two forbidden induced subgraphs. *Lecture Notes in Computer Science*, 7551:34–45, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34611-8_7/`.

Hermelin:2012:OPD

[22] Danny Hermelin, Julián Mestre, and Dror Rawitz. Optimization problems in dotted interval graphs. *Lecture Notes in Computer Science*, 7551: 46–56, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34611-8_8/`.

Francis:2012:MCP

[23] Mathew C. Francis, Daniel Gonçalves, and Pascal Ochem. The maximum clique problem in multiple interval graphs (extended abstract). *Lecture Notes in Computer Science*, 7551:57–68, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34611-8_9/`.

Biro:2012:SSR

[24] Péter Biró, Matthijs Bomhoff, Petr A. Golovach, Walter Kern, and Daniël Paulusma. Solutions for the Stable Roommates Problem with payments. *Lecture Notes in Computer Science*, 7551:69–80, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34611-8_10/`.

Berend:2012:WMP

[25] Daniel Berend and Amir Sapir. Which multi-peg Tower of Hanoi problems are exponential? *Lecture Notes in Computer Science*, 7551:81–90, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34611-8_11/`.

DiGiacomo:2012:QPD

[26] Emilio Di Giacomo, Walter Didimo, Giuseppe Liotta, and Fabrizio Montecchiani. h-quasi planar drawings of bounded treewidth graphs in linear area. *Lecture Notes in Computer Science*, 7551:91–102, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34611-8_12/`.

Auer:2012:DUP

[27] Christopher Auer, Christian Bachmaier, Franz J. Brandenburg, and Andreas Gleißner. The duals of upward planar graphs on cylinders. *Lecture Notes in Computer Science*, 7551:103–113, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34611-8_13/`.

Epstein:2012:WMD

[28] Leah Epstein, Asaf Levin, and Gerhard J. Woeginger. The (weighted) metric dimension of graphs: Hard and easy cases. *Lecture Notes in Computer Science*, 7551:114–125, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34611-8_14/`.

Junosza-Szaniawski:2012:DSP

[29] Konstanty Junosza-Szaniawski, Jan Kratochvíl, Mathieu Liedloff, and Paweł Rzażewski. Determining the $L(2,1)$-span in polynomial space. *Lecture Notes in Computer Science*, 7551:126–137, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34611-8_15/`.

Javelle:2012:MDL

[30] Jérôme Javelle, Mehdi Mhalla, and Simon Perdrix. On the minimum degree up to local complementation: Bounds and complexity. *Lecture Notes in Computer Science*, 7551:138–147, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34611-8_16/`.

Muller:2012:SDG

[31] Haiko Müller. On the stable degree of graphs. *Lecture Notes in Computer Science*, 7551:148–159, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34611-8_17/`.

Kowalik:2012:KKN

[32] Łukasz Kowalik and Marcin Mucha. A 9 k kernel for nonseparating independent set in planar graphs. *Lecture Notes in Computer Science*, 7551:160–171, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34611-8_18/`.

Misra:2012:PAE

[33] Pranabendu Misra, Venkatesh Raman, M. S. Ramanujan, and Saket Saurabh. Parameterized algorithms for even cycle transversal. *Lecture Notes in Computer Science*, 7551:172–183, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34611-8_19/`.

Mnich:2012:BAT

[34] Matthias Mnich and Rico Zenklusen. Bisections above tight lower bounds. *Lecture Notes in Computer Science*, 7551:184–193, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34611-8_20/`.

Anonymous:2012:FMb

[35] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7551: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/content/pdf/bfm:978-3-642-34611-8/1`.

Gerrard:2012:TPA

[36] Claire Gerrard, John McCall, George M. Coghill, and Christopher Macleod. Temporal patterns in artificial reaction networks. *Lecture Notes in Computer Science*, 7552:1–8, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33269-2_1/`.

Karandashev:2012:PHM

[37] Iakov Karandashev, Boris Kryzhanovsky, and Leonid Litinskii. Properties of the Hopfield model with weighted patterns. *Lecture Notes in Computer Science*, 7552:9–16, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33269-2_2/`.

Cherif:2012:DOG

[38] Farouk Chérif. Dynamics and oscillations of GHNNs with time-varying delay. *Lecture Notes in Computer Science*, 7552:17–24, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33269-2_3/`.

Duran:2012:DFA

[39] Boris Durán, Yulia Sandamirskaya, and Gregor Schöner. A dynamic field architecture for the generation of hierarchically organized sequences. *Lecture Notes in Computer Science*, 7552:25–32, 2012. CODEN LNCSD9.

ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33269-2_4/.

Matuszak:2012:STI

[40] Michal Matuszak and Jacek Miekisz. Stochastic techniques in influence diagrams for learning Bayesian network structure. *Lecture Notes in Computer Science*, 7552:33–40, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33269-2_5/.

Karandashev:2012:MMM

[41] Iakov Karandashev and Boris Kryzhanovsky. The mix-matrix method in the problem of binary quadratic optimization. *Lecture Notes in Computer Science*, 7552:41–48, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33269-2_6/.

Austin:2012:RCA

[42] James Austin, Stephen Hobson, Nathan Burles, and Simon O'Keefe. A rule chaining architecture using a correlation matrix memory. *Lecture Notes in Computer Science*, 7552:49–56, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33269-2_7/.

Bacciu:2012:GMK

[43] Davide Bacciu, Alessio Micheli, and Alessandro Sperduti. A generative multiset kernel for structured data. *Lecture Notes in Computer Science*, 7552:57–64, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33269-2_8/.

Zdunek:2012:SSU

[44] Rafal Zdunek. Spectral signal unmixing with interior-point nonnegative matrix factorization. *Lecture Notes in Computer Science*, 7552:65–72, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33269-2_9/.

Wang:2012:HOP

[45] Dan Wang, Donghong Ji, and Wei Huang. Hybrid optimized polynomial neural networks with polynomial neurons and fuzzy polynomial neurons. *Lecture Notes in Computer Science*, 7552:73–80, 2012. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33269-2_10/`.

Cho:2012:TTR

[46] KyungHyun Cho, Alexander Ilin, and Tapani Raiko. Tikhonov-type regularization for restricted Boltzmann machines. *Lecture Notes in Computer Science*, 7552:81–88, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33269-2_11/`.

Wood:2012:MSA

[47] Richard Wood, Ian Bruce, and Peter Mascher. Modeling of spiking analog neural circuits with Hebbian learning, using amorphous semiconductor thin film transistors with silicon oxide nitride semiconductor split gates. *Lecture Notes in Computer Science*, 7552:89–96, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33269-2_12/`.

Beuler:2012:RTS

[48] Marcel Beuler, Aubin Tchaptchet, Werner Bonath, Svetlana Postnova, and Hans Albert Braun. Real-time simulations of synchronization in a conductance-based neuronal network with a digital FPGA hardware-core. *Lecture Notes in Computer Science*, 7552:97–104, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33269-2_13/`.

Singh:2012:IFE

[49] Anand Singh, Pierre J. Magistretti, Bruno Weber, and Renaud Jolivet. Impact of frequency on the energetic efficiency of action potentials. *Lecture Notes in Computer Science*, 7552:105–112, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33269-2_14/`.

Cheung:2012:LSS

[50] Kit Cheung, Simon R. Schultz, and Wayne Luk. A large-scale spiking neural network accelerator for FPGA systems. *Lecture Notes in Computer Science*, 7552:113–120, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33269-2_15/`.

Choudhary:2012:SNC

[51] Swadesh Choudhary, Steven Sloan, Sam Fok, Alexander Neckar, Eric Trautmann, and Peiran Gao. Silicon neurons that compute. *Lecture Notes*

in Computer Science, 7552:121–128, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33269-2_16/`.

Barrera:2012:CIE

[52] Andres Gaona Barrera and Manuel Moreno Arostegui. A communication infrastructure for emulating large-scale neural networks models. *Lecture Notes in Computer Science*, 7552:129–136, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33269-2_17/`.

Yusoff:2012:PAL

[53] Nooraini Yusoff, André Grüning, and Scott Notley. Pair-associate learning with modulated spike-time dependent plasticity. *Lecture Notes in Computer Science*, 7552:137–144, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33269-2_18/`.

Agnes:2012:AMN

[54] Everton J. Agnes, Rubem Erichsen Jr., and Leonardo G. Brunnet. Associative memory in neuronal networks of spiking neurons: Architecture and storage analysis. *Lecture Notes in Computer Science*, 7552: 145–152, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33269-2_19/`.

Kirikawa:2012:BNF

[55] Shota Kirikawa, Takashi Ogawa, and Toshimichi Saito. Bifurcating neurons with filtered base signals. *Lecture Notes in Computer Science*, 7552: 153–160, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33269-2_20/`.

Anonymous:2012:FMc

[56] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7552: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/content/pdf/bfm:978-3-642-33269-2/1`.

Suzumura:2012:CVM

[57] Shinya Suzumura and Ryohei Nakano. Complex-valued multilayer perceptron search utilizing eigen vector descent and reducibility mapping. *Lecture Notes in Computer Science*, 7553:1–8, 2012. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33266-1_1/.

Hara:2012:TAF

[58] Kazuyuki Hara, Kentaro Katahira, Kazuo Okanoya, and Masato Okada. Theoretical analysis of function of derivative term in on-line gradient descent learning. *Lecture Notes in Computer Science*, 7553:9–16, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33266-1_2/.

Krurkova:2012:SCN

[59] Věra Kůrková. Some comparisons of networks with radial and kernel units. *Lecture Notes in Computer Science*, 7553:17–24, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33266-1_3/.

Ribeiro:2012:MPL

[60] Geraldina Ribeiro, Wouter Duivesteijn, Carlos Soares, and Arno Knobbe. Multilayer perceptron for label ranking. *Lecture Notes in Computer Science*, 7553:25–32, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33266-1_4/.

Koprinska:2012:ELF

[61] Irena Koprinska, Mashud Rana, and Vassilios G. Agelidis. Electricity load forecasting: a weekday-based approach. *Lecture Notes in Computer Science*, 7553:33–41, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33266-1_5/.

Tokic:2012:AEU

[62] Michel Tokic and Günther Palm. Adaptive exploration using stochastic neurons. *Lecture Notes in Computer Science*, 7553:42–49, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33266-1_6/.

Steege:2012:CLT

[63] Frank-Florian Steege and Horst-Michael Groß. Comparison of long-term adaptivity for neural networks. *Lecture Notes in Computer Science*, 7553:50–57, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33266-1_7/.

Mamalet:2012:SCF

[64] Franck Mamalet and Christophe Garcia. Simplifying ConvNets for fast learning. *Lecture Notes in Computer Science*, 7553:58–65, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33266-1_8/`.

deOliveira:2012:MAF

[65] João Fausto Lorenzato de Oliveira and Teresa B. Ludermir. A modified artificial fish swarm algorithm for the optimization of extreme learning machines. *Lecture Notes in Computer Science*, 7553:66–73, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33266-1_9/`.

Ninomiya:2012:RTF

[66] Hiroshi Ninomiya. Robust training of feedforward neural networks using combined online/batch quasi-Newton techniques. *Lecture Notes in Computer Science*, 7553:74–83, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33266-1_10/`.

Entner:2012:ECO

[67] Doris Entner and Patrik O. Hoyer. Estimating a causal order among groups of variables in linear models. *Lecture Notes in Computer Science*, 7553:84–91, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33266-1_11/`.

Brakel:2012:TRB

[68] Philemon Brakel, Sander Dieleman, and Benjamin Schrauwen. Training restricted Boltzmann machines with multi-tempering: Harnessing parallelization. *Lecture Notes in Computer Science*, 7553:92–99, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33266-1_12/`.

Torres:2012:CGA

[69] Luiz C. B. Torres, Cristiano L. Castro, and Antônio P. Braga. A computational geometry approach for Pareto-optimal selection of neural networks. *Lecture Notes in Computer Science*, 7553:100–107, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33266-1_13/`.

Kassahun:2012:LPL

[70] Yohannes Kassahun, Hendrik Wöhrle, Alexander Fabisch, and Marc Tabie. Learning parameters of linear models in compressed parameter space. *Lecture Notes in Computer Science*, 7553:108–115, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33266-1_14/`.

Nakano:2012:CFF

[71] Daichi Nakano, Shin ichi Maeda, and Shin Ishii. Control of a free-falling cat by policy-based reinforcement learning. *Lecture Notes in Computer Science*, 7553:116–123, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33266-1_15/`.

Hao:2012:GBM

[72] Tele Hao, Tapani Raiko, Alexander Ilin, and Juha Karhunen. Gated Boltzmann machine in texture modeling. *Lecture Notes in Computer Science*, 7553:124–131, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33266-1_16/`.

Kromer:2012:NPM

[73] Pavel Krömer, Emilio Corchado, Václav Snášel, Jan Platoš, and Laura García-Hernández. Neural PCA and maximum likelihood Hebbian learning on the GPU. *Lecture Notes in Computer Science*, 7553:132–139, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33266-1_17/`.

Diez-Fernandez:2012:CEM

[74] Marta Díez-Fernández, Sergio Alvarez Teleña, and Denise Gorse. Construction of emerging markets exchange traded funds using multiobjective particle swarm optimisation. *Lecture Notes in Computer Science*, 7553:140–147, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33266-1_18/`.

Goncalves:2012:ISC

[75] André R. Gonçalves, Rosana Veroneze, Salomão Madeiro, and Carlos R. B. Azevedo. The influence of supervised clustering for RBFNN centers definition: a comparative study. *Lecture Notes in Computer Science*,

7553:148–155, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33266-1_19/.

Ghio:2012:NSM

[76] Alessandro Ghio, Davide Anguita, Luca Oneto, Sandro Ridella, and Carlotta Schatten. Nested sequential minimal optimization for support vector machines. *Lecture Notes in Computer Science*, 7553:156–163, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33266-1_20/.

Anonymous:2012:FMd

[77] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7553: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-33266-1/1.

Barbosa:2012:SCI

[78] Luis Soares Barbosa. Software components as invariant-typed arrows. *Lecture Notes in Computer Science*, 7554:1–5, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33182-4_1/.

Aichernig:2012:SKB

[79] Bernhard Klaus Aichernig. The science of Killing bugs in a black box. *Lecture Notes in Computer Science*, 7554:6–11, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33182-4_2/.

Sampaio:2012:SCP

[80] Diogo Nunes Sampaio, Elie Gedeon, and Fernando Magno Quintão Pereira. Spill code placement for SIMD machines. *Lecture Notes in Computer Science*, 7554:12–26, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33182-4_3/.

Medeiros:2012:LRP

[81] Sérgio Medeiros, Fabio Mascarenhas, and Roberto Ierusalimschy. Left recursion in parsing expression grammars. *Lecture Notes in Computer Science*, 7554:27–41, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33182-4_4/.

Campos:2012:SPR

[82] Victor Hugo Sperle Campos and Raphael Ernani Rodrigues. Speed and precision in range analysis. *Lecture Notes in Computer Science*, 7554: 42–56, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33182-4_5/`.

Alves:2012:PBC

[83] Péricles Rafael Oliveira Alves and Igor Rafael de Assis Costa. Parameter based constant propagation. *Lecture Notes in Computer Science*, 7554:57–71, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33182-4_6/`.

Reis:2012:APE

[84] Leonardo Vieira dos Santos Reis and Roberto da Silva Bigonha. Adaptable parsing expression grammars. *Lecture Notes in Computer Science*, 7554:72–86, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33182-4_7/`.

Ferreira:2012:OGD

[85] Bruno Morais Ferreira and Fernando Magno Quintão Pereira. Optimizing a geomodeling domain specific language. *Lecture Notes in Computer Science*, 7554:87–101, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33182-4_8/`.

deBayser:2012:SRT

[86] Maximilien de Bayser and Renato Cerqueira. A system for runtime type introspection in C++. *Lecture Notes in Computer Science*, 7554: 102–116, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33182-4_9/`.

Cunha:2012:MBP

[87] Jácome Cunha, João Saraiva, and Joost Visser. Model-based programming environments for spreadsheets. *Lecture Notes in Computer Science*, 7554:117–133, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33182-4_10/`.

Gaia:2012:QAA

[88] Felipe Nunes Gaia and Gabriel Coutinho Sousa Ferreira. A quantitative assessment of aspectual feature modules for evolving software product lines. *Lecture Notes in Computer Science*, 7554:134–149, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33182-4_11/`.

Viera:2012:AGM

[89] Marcos Viera and Doaitse Swierstra. Attribute grammar macros. *Lecture Notes in Computer Science*, 7554:150–164, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33182-4_12/`.

Anonymous:2012:BMb

[90] Anonymous. Back matter. *Lecture Notes in Computer Science*, 7554: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/content/pdf/bbm:978-3-642-33182-4/1`.

Anonymous:2012:FMe

[91] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7554: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/content/pdf/bfm:978-3-642-33182-4/1`.

Tierney:2012:LSF

[92] Kevin Tierney and Rune Møller Jensen. The liner shipping fleet repositioning problem with cargo flows. *Lecture Notes in Computer Science*, 7555:1–16, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33587-7_1/`.

Pacino:2012:AMS

[93] Dario Pacino, Alberto Delgado, Rune Møller Jensen, and Tom Bebbington. An accurate model for seaworthy container vessel stowage planning with ballast tanks. *Lecture Notes in Computer Science*, 7555: 17–32, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33587-7_2/`.

Schwarze:2012:SAC

[94] Silvia Schwarze, Stefan Voß, Guohua Zhou, and Guoli Zhou. Scientometric analysis of container terminals and ports literature and interaction with

publications on distribution networks. *Lecture Notes in Computer Science*, 7555:33–52, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33587-7_3/`.

Nabais:2012:NPC

[95] João Lemos Nabais, Rudy R. Negenborn, and Miguel Ayala Botto. A novel predictive control based framework for optimizing intermodal container terminal operations. *Lecture Notes in Computer Science*, 7555: 53–71, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33587-7_4/`.

Lam:2012:IPD

[96] Jasmine Siu Lee Lam and Tsz Leung Yip. Impact of port disruption on supply chains: a Petri net approach. *Lecture Notes in Computer Science*, 7555:72–85, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33587-7_5/`.

Voss:2012:EMO

[97] Stefan Voß. Extended mis-overlay calculation for pre-marshalling containers. *Lecture Notes in Computer Science*, 7555:86–91, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33587-7_6/`.

Litvinchev:2012:STS

[98] Igor Litvinchev and Edith Lucero Ozuna Espinosa. Solving the two-stage capacitated facility location problem by the Lagrangian heuristic. *Lecture Notes in Computer Science*, 7555:92–103, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33587-7_7/`.

Daduna:2012:ARF

[99] Joachim R. Daduna. Applying radio frequency identification technology in retail trade from a logistics point of view — an overview over opportunities and limitations. *Lecture Notes in Computer Science*, 7555: 104–119, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33587-7_8/`.

Reinhardt:2012:SVR

[100] Line Blander Reinhardt, Simon Spoorendonk, and David Pisinger. Solving vehicle routing with full container load and time Windows. *Lecture Notes*

in Computer Science, 7555:120–128, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33587-7_9/`.

Iris:2012:MIS

[101] Cagatay Iris and Mehmet Mutlu Yenisey. Multi-item simultaneous lot sizing and storage allocation with production and warehouse capacities. *Lecture Notes in Computer Science*, 7555:129–141, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33587-7_10/`.

Lange:2012:PML

[102] Kerstin Lange, André Rinne, and Hans-Dietrich Haasis. Planning maritime logistics concepts for offshore wind farms: a newly developed decision support system. *Lecture Notes in Computer Science*, 7555: 142–158, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33587-7_11/`.

Xu:2012:ACB

[103] Feng Xu, Yuanbin Song, and Hao Hu. Application of cycle-based simulation to estimate loss of logistics productivity on construction sites. *Lecture Notes in Computer Science*, 7555:159–170, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33587-7_12/`.

Bubalo:2012:BEA

[104] Branko Bubalo. Benchmarking European airports based on a profitability envelope. *Lecture Notes in Computer Science*, 7555:171–189, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33587-7_13/`.

Cao:2012:SVR

[105] Buyang Cao. Solving vehicle routing problems using an enhanced Clarke–Wright algorithm: a case study. *Lecture Notes in Computer Science*, 7555: 190–205, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33587-7_14/`.

Sze:2012:IHM

[106] San-Nah Sze, Ada Ng Suk-Fong, and Kang-Leng Chiew. An insertion heuristic manpower scheduling for in-flight catering service application. *Lecture Notes in Computer Science*, 7555:206–216, 2012. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33587-7_15/.

Anonymous:2012:BMc

[107] Anonymous. Back matter. *Lecture Notes in Computer Science*, 7555: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bbm:978-3-642-33587-7/1.

Anonymous:2012:FMf

[108] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7555: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-33587-7/1.

deWolf:2012:PSD

[109] Peter-Paul de Wolf and Anco Hundepool. $p\%$ should dominate. *Lecture Notes in Computer Science*, 7556:1–10, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33627-0_1/.

Castro:2012:CEO

[110] Jordi Castro. A computational evaluation of optimization solvers for CTA. *Lecture Notes in Computer Science*, 7556:11–21, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33627-0_2/.

Giessing:2012:FRB

[111] Sarah Giessing. Flexible rounding based on consistent post-tabular stochastic noise. *Lecture Notes in Computer Science*, 7556:22–34, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33627-0_3/.

Castro:2012:CDC

[112] Jordi Castro. Comparing L_1 and L_2 distances for CTA. *Lecture Notes in Computer Science*, 7556:35–46, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33627-0_4/.

Trottini:2012:IMB

[113] Mario Trottini, Krish Muralidhar, and Rathindra Sarathy. An investigation of model-based microdata masking for magnitude tabular data release. *Lecture Notes in Computer Science*, 7556:47–62, 2012. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33627-0_5/.

Kowarik:2012:TIC

[114] Alexander Kowarik, Matthias Templ, Bernhard Meindl, Francois Fonteneau, and Bernd Prantner. Testing of IHSN C++ code and inclusion of new methods into sdcMicro. *Lecture Notes in Computer Science*, 7556: 63–77, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33627-0_6/.

Mares:2012:CBC

[115] Jordi Marés and Vicenç Torra. Clustering-based categorical data protection. *Lecture Notes in Computer Science*, 7556:78–89, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33627-0_7/.

Domingo-Ferrer:2012:AMT

[116] Josep Domingo-Ferrer, Krish Muralidhar, and Guillem Rufian-Torrell. Anonymization methods for taxonomic microdata. *Lecture Notes in Computer Science*, 7556:90–102, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33627-0_8/.

Oganian:2012:HMM

[117] Anna Oganian and Josep Domingo-Ferrer. Hybrid microdata via model-based clustering. *Lecture Notes in Computer Science*, 7556:103–115, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33627-0_9/.

Woo:2012:LRV

[118] Yong Ming Jeffrey Woo and Aleksandra B. Slavković. Logistic regression with variables subject to post randomization method. *Lecture Notes in Computer Science*, 7556:116–130, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33627-0_10/.

Hall:2012:VSI

[119] Rob Hall and Stephen Fienberg. Valid statistical inference on automatically matched files. *Lecture Notes in Computer Science*, 7556: 131–142, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349

(electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33627-0_11/.

DePersio:2012:CSA

[120] Michael DePersio, Marlow Lemons, Kaleli A. Ramanayake, Julie Tsay, and Laura Zayatz. n-cycle swapping for the American Community Survey. *Lecture Notes in Computer Science*, 7556:143–164, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33627-0_12/.

Dorner:2012:GUT

[121] Matthias Dorner, Jörg Drechsler, and Peter Jacobebbinghaus. Generating useful test data for complex linked employer–employee datasets. *Lecture Notes in Computer Science*, 7556:165–178, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33627-0_13/.

Cleveland:2012:WEP

[122] Lara Cleveland, Robert McCaa, Steven Ruggles, and Matthew Sobek. When excessive perturbation goes wrong and why IPUMS-international relies instead on sampling, suppression, swapping, and other minimally harmful methods to protect privacy of census microdata. *Lecture Notes in Computer Science*, 7556:179–187, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33627-0_14/.

Franconi:2012:ACE

[123] Luisa Franconi and Daniela Ichim. Achieving comparability of earnings. *Lecture Notes in Computer Science*, 7556:188–199, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33627-0_15/.

Foschi:2012:DMR

[124] Flavio Foschi, Maria Cristina Casciano, Luisa Franconi, and Daniela Ichim. Designing multiple releases from the small and medium enterprises survey. *Lecture Notes in Computer Science*, 7556:200–215, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33627-0_16/.

Abowd:2012:PSA

[125] John M. Abowd, Lars Vilhuber, and William Block. A proposed solution to the archiving and curation of confidential scientific inputs. *Lecture Notes in Computer Science*, 7556:216–225, 2012. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33627-0_17/.

OKeefe:2012:CMM

[126] Christine M. O'Keefe. Confidentialising maps of mixed point and diffuse spatial data. *Lecture Notes in Computer Science*, 7556:226–240, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33627-0_18/.

Zanger:2012:SRO

[127] Daniel Z. Zanger. Security of random output perturbation for statistical databases. *Lecture Notes in Computer Science*, 7556:241–256, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33627-0_19/.

Charest:2012:EES

[128] Anne-Sophie Charest. Empirical evaluation of statistical inference from differentially-private contingency tables. *Lecture Notes in Computer Science*, 7556:257–272, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33627-0_20/.

Anonymous:2012:FMg

[129] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7556: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-33627-0/1.

HaCohen-Kerner:2012:EFD

[130] Yaakov HaCohen-Kerner and Aharon Tayeb. Experiments with filtered detection of similar academic papers. *Lecture Notes in Computer Science*, 7557:1–13, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33185-5_1/.

Piasecki:2012:CBS

[131] Maciej Piasecki, Radosław Ramocki, and Paweł Minda. Corpus-based semantic filtering in discovering derivational relations. *Lecture Notes in Computer Science*, 7557:14–22, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33185-5_2/.

Piasecki:2012:LAA

[132] Maciej Piasecki, Roman Kurc, Radosław Ramocki, and Bartosz Broda. Lexical activation area attachment algorithm for Wordnet expansion. *Lecture Notes in Computer Science*, 7557:23–31, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33185-5_3/`.

Klyk:2012:MTM

[133] Łukasz Kłyk, Paweł B. Myszkowski, Bartosz Broda, Maciej Piasecki, and David Urbansky. Metaheuristics for tuning model parameters in two natural language processing applications. *Lecture Notes in Computer Science*, 7557:32–37, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33185-5_4/`.

Zizka:2012:CVL

[134] Jan Žižka, Karel Burda, and František Dařena. Clustering a very large number of textual unstructured customers' reviews in English. *Lecture Notes in Computer Science*, 7557:38–47, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33185-5_5/`.

Boytcheva:2012:WTE

[135] Svetla Boytcheva and Galia Angelova. A workbench for temporal event information extraction from patient records. *Lecture Notes in Computer Science*, 7557:48–58, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33185-5_6/`.

Lupan:2012:AES

[136] Diana Lupan, Mihai Dascălu, Ştefan Trăuşan-Matu, and Philippe Dessus. Analyzing emotional states induced by news articles with latent semantic analysis. *Lecture Notes in Computer Science*, 7557:59–68, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33185-5_7/`.

Ali:2012:ECH

[137] Mostafa Z. Ali and Robert G. Reynolds. The emergence of cultural hierarchical social networks in complex environments. *Lecture Notes in Computer Science*, 7557:69–78, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33185-5_8/`.

Tandukar:2012:ERS

[138] Udeep Tandukar and Julita Vassileva. Ensuring relevant and serendipitous information flow in decentralized online social network. *Lecture Notes in Computer Science*, 7557:79–88, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33185-5_9/`.

Arendarenko:2012:OBI

[139] Ernest Arendarenko and Tuomo Kakkonen. Ontology-based information and event extraction for business intelligence. *Lecture Notes in Computer Science*, 7557:89–102, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33185-5_10/`.

Kutz:2012:MHS

[140] Oliver Kutz, Janna Hastings, and Till Mossakowski. Modelling highly symmetrical molecules: Linking ontologies and graphs. *Lecture Notes in Computer Science*, 7557:103–111, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33185-5_11/`.

Beldjoudi:2012:PIT

[141] Samia Beldjoudi, Hassina Seridi-Bouchelaghem, and Catherine Faron-Zucker. Personalizing and improving tag-based search in folksonomies. *Lecture Notes in Computer Science*, 7557:112–118, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33185-5_12/`.

LeDorze:2012:VSC

[142] Aymeric Le Dorze, Lionel Chauvin, Laurent Garcia, David Genest, and Stéphane Loiseau. Views and synthesis of cognitive maps. *Lecture Notes in Computer Science*, 7557:119–124, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33185-5_13/`.

Gruca:2012:ICS

[143] Aleksandra Gruca and Marek Sikora. Identification of the compound subjective rule interestingness measure for rule-based functional description of genes. *Lecture Notes in Computer Science*, 7557:125–134, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33185-5_14/`.

Leonetti:2012:AGL

[144] Matteo Leonetti, Luca Iocchi, and Fabio Patrizi. Automatic generation and learning of finite-state controllers. *Lecture Notes in Computer Science*, 7557:135–144, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33185-5_15/`.

Damova:2012:FDS

[145] Mariana Damova, Kiril Simov, Zdravko Tashev, and Atanas Kiryakov. FactForge: Data service or the diversity of inferred knowledge over LOD. *Lecture Notes in Computer Science*, 7557:145–151, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33185-5_16/`.

Amaneddine:2012:PCG

[146] Nouhad Amaneddine and Jean-François Condotta. From path-consistency to global consistency in temporal qualitative constraint networks. *Lecture Notes in Computer Science*, 7557:152–161, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33185-5_17/`.

Sikora:2012:RQM

[147] Marek Sikora, Adam Skowron, and Łukasz Wróbel. Rule quality measure-based induction of unordered sets of regression rules. *Lecture Notes in Computer Science*, 7557:162–171, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33185-5_18/`.

Kabzinski:2012:SCF

[148] Jacek Kabziński. Swarm capability of finding eigenvalues. *Lecture Notes in Computer Science*, 7557:172–177, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33185-5_19/`.

Nadi:2012:SUP

[149] Farhad Nadi and Ahamad Tajudin Khader. A study on the utility of parametric uniform crossover for adaptation of crossover operator. *Lecture Notes in Computer Science*, 7557:178–183, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33185-5_20/`.

Anonymous:2012:FMh

[150] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7557: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/content/pdf/bfm:978-3-642-33185-5/1`.

Dettori:2012:AES

[151] Giuliana Dettori and Simone Torsani. An approach to exploit social bookmarking to improve formal language learning. *Lecture Notes in Computer Science*, 7558:1–10, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33642-3_1/`.

Hillen:2012:PSC

[152] Stefanie Andrea Hillen and Tero Päivärinta. Perceived support in E-collaborative learning: An exploratory study which make use of synchronous and asynchronous online-teaching approaches. *Lecture Notes in Computer Science*, 7558:11–20, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33642-3_2/`.

Kubincova:2012:HGA

[153] Zuzana Kubincová and Martin Homola. How to get around with Wikis in teaching. *Lecture Notes in Computer Science*, 7558:21–30, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33642-3_3/`.

Putnik:2012:WUT

[154] Zoran Putnik, Mirjana Ivanović, Zoran Budimac, and Ladislav Samuelis. Wiki — a useful tool to fight classroom cheating? *Lecture Notes in Computer Science*, 7558:31–40, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33642-3_4/`.

Popescu:2012:PBL

[155] Elvira Popescu. Project-based learning with eMUSE. *Lecture Notes in Computer Science*, 7558:41–50, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33642-3_5/`.

Nunes:2012:ATE

[156] Bernardo Pereira Nunes, Ricardo Kawase, and Stefan Dietze. Annotation tool for enhancing E-learning courses. *Lecture Notes in Computer Science*,

7558:51–60, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33642-3_6/`.

Kutay:2012:TCS

[157] Cat Kutay, Deirdre Howard-Wagner, Lynette Riley, and Janet Mooney. Teaching culture as social constructivism. *Lecture Notes in Computer Science*, 7558:61–68, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33642-3_7/`.

Bogdanov:2012:LPS

[158] Evgeny Bogdanov, Carsten Ullrich, Erik Isaksson, Matthias Palmer, and Denis Gillet. From LMS to PLE: a step forward through OpenSocial apps in Moodle. *Lecture Notes in Computer Science*, 7558:69–78, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33642-3_8/`.

Nussbaumer:2012:MRC

[159] Alexander Nussbaumer, Marcel Berthold, Daniel Dahrendorf, and Hans-Christian Schmitz. A mashup recommender for creating personal learning environments. *Lecture Notes in Computer Science*, 7558:79–88, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33642-3_9/`.

Zhou:2012:FRS

[160] Lei Zhou, Sandy El Helou, Laurent Moccozet, Laurent Opprecht, and Omar Benkacem. A federated recommender system for online learning environments. *Lecture Notes in Computer Science*, 7558:89–98, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33642-3_10/`.

Lorenz:2012:TSI

[161] Birgy Lorenz, Kätlin Kalde, and Kaido Kikkas. Trust and security issues in cloud-based learning and management. *Lecture Notes in Computer Science*, 7558:99–108, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33642-3_11/`.

Levacher:2012:STL

[162] Killian Levacher, Seamus Lawless, and Vincent Wade. Slicepedia: Towards Long tail resource production through open corpus reuse. *Lecture*

Notes in Computer Science, 7558:109–119, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33642-3_12/`.

Yang:2012:LPC

[163] Fan Yang, Frederick W. B. Li, and Rynson W. H. Lau. Learning path construction based on association link network. *Lecture Notes in Computer Science*, 7558:120–131, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33642-3_13/`.

Simko:2012:DHR

[164] Marián Šimko and Mária Bieliková. Discovering hierarchical relationships in educational content. *Lecture Notes in Computer Science*, 7558:132–141, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33642-3_14/`.

Ciuciu:2012:EMC

[165] Ioana Ciuciu and Yan Tang Demey. An evaluation methodology for C-FOAM applied to Web-based learning. *Lecture Notes in Computer Science*, 7558:142–151, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33642-3_15/`.

Kouneli:2012:MKD

[166] Aggeliki Kouneli, Georgia Solomou, Christos Pierrakeas, and Achilles Kameas. Modeling the knowledge domain of the Java programming language as an ontology. *Lecture Notes in Computer Science*, 7558:152–159, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33642-3_16/`.

Torrente:2012:TUG

[167] Javier Torrente, Ángel del Blanco, Ángel Serrano-Laguna, and José Ángel Vallejo-Pinto. Towards universal game development in education. *Lecture Notes in Computer Science*, 7558:160–169, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33642-3_17/`.

Lavoue:2012:TSL

[168] Élise Lavoué. Towards social learning games. *Lecture Notes in Computer Science*, 7558:170–179, 2012. CODEN LNCSD9. ISSN 0302-9743 (print),

1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33642-3_18/.

Cehan:2012:CGE

[169] Sabina-Nadina Cehan and Dana-Anca Cehan. Computer games and English language learning. *Lecture Notes in Computer Science*, 7558: 180–189, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33642-3_19/.

Staikopoulos:2012:AFC

[170] Athanasios Staikopoulos, Ian O'Keeffe, Rachael Rafter, Eddie Walsh, and Bilal Yousuf. AMASE: a framework for composing adaptive and personalised learning activities on the Web. *Lecture Notes in Computer Science*, 7558:190–199, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33642-3_20/.

Anonymous:2012:FMi

[171] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7558: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-33642-3/1.

Salah:2012:HBUa

[172] Albert Ali Salah, Javier Ruiz del Solar, Çetin Meriçli, and Pierre-Yves Oudeyer. Human behavior understanding for robotics. *Lecture Notes in Computer Science*, 7559:1–16, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34014-7_1/.

Celiktutan:2012:RTE

[173] Oya Çeliktutan, Christian Wolf, Bülent Sankur, and Eric Lombardi. Real-time exact graph matching with application in human action recognition. *Lecture Notes in Computer Science*, 7559:17–28, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34014-7_2/.

Chaaraoui:2012:EAM

[174] Alexandros Andre Chaaraoui, Pau Climent-Pérez, and Francisco Flórez-Revuelta. An efficient approach for multi-view human action recognition based on bag-of-key-poses. *Lecture Notes in Computer Science*, 7559: 29–40, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349

(electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34014-7_3/.

Hu:2012:BFC

[175] Ninghang Hu, Gwenn Englebienne, and Ben J. A. Kröse. Bayesian fusion of ceiling mounted camera and laser range finder on a mobile robot for people detection and localization. *Lecture Notes in Computer Science*, 7559:41–51, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34014-7_4/.

Lim:2012:USD

[176] Angelica Lim and Hiroshi G. Okuno. Using speech data to recognize emotion in human gait. *Lecture Notes in Computer Science*, 7559: 52–64, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34014-7_5/.

Samadani:2012:GDP

[177] Ali-Akbar Samadani, Rob Gorbet, and Dana Kulić. Gender differences in the perception of affective movements. *Lecture Notes in Computer Science*, 7559:65–76, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34014-7_6/.

Vincze:2012:VDA

[178] Laura Vincze, Isabella Poggi, and Francesca D'Errico. Vagueness and dreams: Analysis of body signals in vague dream telling. *Lecture Notes in Computer Science*, 7559:77–89, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34014-7_7/.

Mancini:2012:CEB

[179] Maurizio Mancini, Giovanna Varni, Donald Glowinski, and Gualtiero Volpe. Computing and evaluating the body laughter index. *Lecture Notes in Computer Science*, 7559:90–98, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34014-7_8/.

Sheikhi:2012:RVF

[180] Samira Sheikhi and Jean-Marc Odobez. Recognizing the visual focus of attention for human robot interaction. *Lecture Notes in Computer Science*, 7559:99–112, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349

(electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34014-7_9/.

Karreman:2012:CAH

[181] Daphne E. Karreman, Elisabeth M. A. G. van Dijk, and Vanessa Evers. Contextual analysis of human non-verbal guide behaviors to inform the development of FROG, the fun robotic outdoor guide. *Lecture Notes in Computer Science*, 7559:113–124, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34014-7_10/.

Fischer:2012:GAD

[182] Kerstin Fischer and Joe Saunders. Getting acquainted with a developing robot. *Lecture Notes in Computer Science*, 7559:125–133, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34014-7_11/.

Mangin:2012:LCS

[183] Olivier Mangin and Pierre-Yves Oudeyer. Learning the combinatorial structure of demonstrated behaviors with inverse feedback control. *Lecture Notes in Computer Science*, 7559:134–147, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34014-7_12/.

Schillaci:2012:ISB

[184] Guido Schillaci, Bruno Lara, and Verena V. Hafner. Internal simulations for behaviour selection and recognition. *Lecture Notes in Computer Science*, 7559:148–160, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34014-7_13/.

Michelet:2012:AIA

[185] Stéphane Michelet, Koby Karp, Emilie Delaherche, Catherine Achard, and Mohamed Chetouani. Automatic imitation assessment in interaction. *Lecture Notes in Computer Science*, 7559:161–173, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34014-7_14/.

Anonymous:2012:BMd

[186] Anonymous. Back matter. *Lecture Notes in Computer Science*, 7559: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bbm:978-3-642-34014-7/1.

Anonymous:2012:FMj

[187] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7559: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/content/pdf/bfm:978-3-642-34014-7/1`.

Dang:2012:TSL

[188] Han-Hing Dang and Bernhard Möller. Transitive separation logic. *Lecture Notes in Computer Science*, 7560:1–16, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33314-9_1/`.

Guttmann:2012:ULS

[189] Walter Guttmann. Unifying lazy and strict computations. *Lecture Notes in Computer Science*, 7560:17–32, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33314-9_2/`.

Hofner:2012:FCA

[190] Peter Höfner, Bernhard Möller, and Andreas Zelend. Foundations of coloring algebra with consequences for feature-oriented programming. *Lecture Notes in Computer Science*, 7560:33–49, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33314-9_3/`.

Dongol:2012:TAR

[191] Brijesh Dongol, Ian J. Hayes, Larissa Meinicke, and Kim Solin. Towards an algebra for real-time programs. *Lecture Notes in Computer Science*, 7560:50–65, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33314-9_4/`.

Armstrong:2012:ARH

[192] Alasdair Armstrong and Georg Struth. Automated reasoning in higher-order regular algebra. *Lecture Notes in Computer Science*, 7560:66–81, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33314-9_5/`.

Kahl:2012:TCI

[193] Wolfram Kahl. Towards certifiable implementation of graph transformation via relation categories. *Lecture Notes in Computer Science*, 7560:

82–97, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33314-9_6/`.

Moreira:2012:DRE

[194] Nelma Moreira, David Pereira, and Simão Melo de Sousa. Deciding regular expressions (in-)equivalence in coq. *Lecture Notes in Computer Science*, 7560:98–113, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33314-9_7/`.

Berghammer:2012:SRB

[195] Rudolf Berghammer and Sebastian Fischer. Simple rectangle-based functional programs for computing reflexive-transitive closures. *Lecture Notes in Computer Science*, 7560:114–129, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33314-9_8/`.

Danilenko:2012:URD

[196] Nikita Danilenko. Using relations to develop a Haskell program for computing maximum bipartite matchings. *Lecture Notes in Computer Science*, 7560:130–145, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33314-9_9/`.

Macedo:2012:RES

[197] Nuno Macedo, Hugo Pacheco, and Alcino Cunha. Relations as executable specifications: Taming partiality and non-determinism using invariants. *Lecture Notes in Computer Science*, 7560:146–161, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33314-9_10/`.

Kozen:2012:LHC

[198] Dexter Kozen and Alexandra Silva. Left-handed completeness. *Lecture Notes in Computer Science*, 7560:162–178, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33314-9_11/`.

Laurence:2012:COR

[199] Michael R. Laurence and Georg Struth. On completeness of omega-regular algebras. *Lecture Notes in Computer Science*, 7560:179–194, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33314-9_12/`.

Jipsen:2012:CAC

[200] Peter Jipsen. Categories of algebraic contexts equivalent to idempotent semirings and domain semirings. *Lecture Notes in Computer Science*, 7560:195–206, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33314-9_13/`.

Nishizawa:2012:RRT

[201] Koki Nishizawa and Hitoshi Furusawa. Relational representation theorem for powerset quantales. *Lecture Notes in Computer Science*, 7560: 207–218, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33314-9_14/`.

Furusawa:2012:PAD

[202] Hitoshi Furusawa and Yasuo Kawahara. Point axioms in Dedekind categories. *Lecture Notes in Computer Science*, 7560:219–234, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33314-9_15/`.

Gluck:2012:TOD

[203] Roland Glück. Two observations in dioid based model refinement. *Lecture Notes in Computer Science*, 7560:235–247, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33314-9_16/`.

Atampore:2012:RAM

[204] Francis Atampore and Michael Winter. Relation algebras, matrices, and multi-valued decision diagrams. *Lecture Notes in Computer Science*, 7560: 248–263, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33314-9_17/`.

Ismail:2012:IPR

[205] Sahar Ismail and Ali Jaoua. Incremental pseudo rectangular organization of information relative to a domain. *Lecture Notes in Computer Science*, 7560:264–277, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33314-9_18/`.

Schmidt:2012:RCS

[206] Gunther Schmidt. Relational concepts in social choice. *Lecture Notes in Computer Science*, 7560:278–293, 2012. CODEN LNCSD9. ISSN 0302-

9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33314-9_19/.

Moller:2012:ALC

[207] Bernhard Möller and Patrick Roocks. An algebra of layered complex preferences. *Lecture Notes in Computer Science*, 7560:294–309, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33314-9_20/.

Anonymous:2012:FMk

[208] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7560: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-33314-9/1.

Lopes:2012:GBD

[209] Antónia Lopes and José Luiz Fiadeiro. A graph-based design framework for services. *Lecture Notes in Computer Science*, 7562:1–19, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33654-6_1/.

Ruscio:2012:ETH

[210] Davide Di Ruscio, Ludovico Iovino, and Alfonso Pierantonio. Evolutionary togetherness: How to manage coupled evolution in metamodeling ecosystems. *Lecture Notes in Computer Science*, 7562:20–37, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33654-6_2/.

Drechsler:2012:CDD

[211] Rolf Drechsler, Melanie Diepenbeck, Daniel Große, Ulrich Kühne, and Hoang M. Le. Completeness-driven development. *Lecture Notes in Computer Science*, 7562:38–50, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33654-6_3/.

Gadducci:2012:EUA

[212] Fabio Gadducci, Alberto Lluch Lafuente, and Andrea Vandin. Exploiting over- and under-approximations for infinite-state counterpart models. *Lecture Notes in Computer Science*, 7562:51–65, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33654-6_4/.

Rensink:2012:PBG

[213] Arend Rensink and Eduardo Zambon. Pattern-based graph abstraction. *Lecture Notes in Computer Science*, 7562:66–80, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33654-6_5/`.

Konig:2012:WSG

[214] Barbara König and Jan Stückrath. Well-structured graph transformation systems with negative application conditions. *Lecture Notes in Computer Science*, 7562:81–95, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33654-6_6/`.

Heckel:2012:PCS

[215] Reiko Heckel, Hartmut Ehrig, Ulrike Golas, and Frank Hermann. Parallelism and concurrency of stochastic graph transformations. *Lecture Notes in Computer Science*, 7562:96–110, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33654-6_7/`.

Lowe:2012:RGR

[216] Michael Löwe. Refined graph rewriting in span-categories. *Lecture Notes in Computer Science*, 7562:111–125, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33654-6_8/`.

Orejas:2012:BCA

[217] Fernando Orejas, Artur Boronat, and Nikos Mylonakis. Borrowed contexts for attributed graphs. *Lecture Notes in Computer Science*, 7562:126–140, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33654-6_9/`.

Golas:2012:TBG

[218] Ulrike Golas, Leen Lambers, Hartmut Ehrig, and Holger Giese. Toward bridging the gap between formal foundations and current practice for triple graph grammars. *Lecture Notes in Computer Science*, 7562:141–155, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33654-6_10/`.

Duval:2012:GTF

[219] Dominique Duval, Rachid Echahed, and Frédéric Prost. Graph transformation with focus on incident edges. *Lecture Notes in Computer Science*, 7562:156–171, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33654-6_11/`.

Aoto:2012:RTR

[220] Takahito Aoto and Jeroen Ketema. Rational term rewriting revisited: Decidability and confluence. *Lecture Notes in Computer Science*, 7562: 172–186, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33654-6_12/`.

Golas:2012:GAC

[221] Ulrike Golas. A general attribution concept for models in $\Updownarrow$-adhesive transformation systems. *Lecture Notes in Computer Science*, 7562:187–202, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33654-6_13/`.

Heckel:2012:DTO

[222] Reiko Heckel. DPO transformation with open maps. *Lecture Notes in Computer Science*, 7562:203–217, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33654-6_14/`.

Habel:2012:ATS

[223] Annegret Habel and Detlef Plump. $\mathcal{M},\mathcal{N}$-adhesive transformation systems. *Lecture Notes in Computer Science*, 7562:218–233, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33654-6_15/`.

Ghamarian:2012:GCG

[224] Amir Hossein Ghamarian and Arend Rensink. Generalised compositionality in graph transformation. *Lecture Notes in Computer Science*, 7562: 234–248, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33654-6_16/`.

Giese:2012:TAV

[225] Holger Giese and Leen Lambers. Towards automatic verification of behavior preservation for model transformation via invariant checking. *Lecture*

Notes in Computer Science, 7562:249–263, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33654-6_17/`.

Blume:2012:ESI

[226] Christoph Blume, H. J. Sander Bruggink, Dominik Engelke, and Barbara König. Efficient symbolic implementation of graph automata with applications to invariant checking. *Lecture Notes in Computer Science*, 7562: 264–278, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33654-6_18/`.

Khan:2012:TAV

[227] Tamim Ahmed Khan, Olga Runge, and Reiko Heckel. Testing against visual contracts: Model-based coverage. *Lecture Notes in Computer Science*, 7562:279–293, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33654-6_19/`.

Serbanuta:2012:TCS

[228] Traian Florin Şerbănuţă and Grigore Roşu. A truly concurrent semantics for the **K** framework based on graph transformations. *Lecture Notes in Computer Science*, 7562:294–310, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33654-6_20/`.

Anonymous:2012:FMl

[229] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7562: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/content/pdf/bfm:978-3-642-33654-6/1`.

Anonymous:2012:FMm

[230] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7563: 1, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/content/pdf/bfm:978-3-642-33263-0/1/1`.

Noss:2012:NLN

[231] Richard Noss. 21st century learning for 21st century skills: What does it mean, and how do we do it? *Lecture Notes in Computer Science*, 7563:3–5, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33263-0_1/`.

Anonymous:2012:FMn

[232] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7563: 7, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/content/pdf/bfm:978-3-642-33263-0/2/1`.

Anjorin:2012:ESI

[233] Mojisola Anjorin, Thomas Rodenhausen, Renato Domínguez García, and Christoph Rensing. Exploiting semantic information for graph-based recommendations of learning resources. *Lecture Notes in Computer Science*, 7563:9–22, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33263-0_2/`.

Berthold:2012:IEM

[234] Marcel Berthold, Adam Moore, Christina M. Steiner, Conor Gaffney, and Declan Dagger. An initial evaluation of metacognitive scaffolding for experiential training simulators. *Lecture Notes in Computer Science*, 7563:23–36, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33263-0_3/`.

Bonnard:2012:PIL

[235] Quentin Bonnard, Himanshu Verma, Frédéric Kaplan, and Pierre Dillenbourg. Paper interfaces for learning geometry. *Lecture Notes in Computer Science*, 7563:37–50, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33263-0_4/`.

Derntl:2012:ETP

[236] Michael Derntl and Ralf Klamma. The European TEL projects community from a social network analysis perspective. *Lecture Notes in Computer Science*, 7563:51–64, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33263-0_5/`.

Do-Lenh:2012:TDE

[237] Son Do-Lenh, Patrick Jermann, Amanda Legge, Guillaume Zufferey, and Pierre Dillenbourg. TinkerLamp 2.0: Designing and evaluating orchestration technologies for the classroom. *Lecture Notes in Computer Science*, 7563:65–78, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33263-0_6/`.

Ferrari:2012:UDC

[238] Anusca Ferrari, Yves Punie, and Christine Redecker. Understanding digital competence in the 21st century: An analysis of current frameworks. *Lecture Notes in Computer Science*, 7563:79–92, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33263-0_7/`.

Gegenfurtner:2012:HCM

[239] Andreas Gegenfurtner, Koen Veermans, and Marja Vauras. How CSCL moderates the influence of self-efficacy on students' transfer of learning. *Lecture Notes in Computer Science*, 7563:93–102, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33263-0_8/`.

Gehlen-Baum:2012:NFH

[240] Vera Gehlen-Baum and Armin Weinberger. Notebook or facebook? How students actually use mobile devices in large lectures. *Lecture Notes in Computer Science*, 7563:103–112, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33263-0_9/`.

Rojas:2012:EOL

[241] Israel Gutiérrez Rojas, Raquel M. Crespo García, and Carlos Delgado Kloos. Enhancing orchestration of lab sessions by means of awareness mechanisms. *Lecture Notes in Computer Science*, 7563:113–125, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33263-0_10/`.

Hadersberger:2012:DAB

[242] Julia Hadersberger, Alexander Pohl, and François Bry. Discerning actuality in backstage. *Lecture Notes in Computer Science*, 7563:126–139, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33263-0_11/`.

Hauff:2012:TRM

[243] Claudia Hauff, Marcel Berthold, Geert-Jan Houben, Christina M. Steiner, and Dietrich Albert. Tweets reveal more than you know: a learning style analysis on Twitter. *Lecture Notes in Computer Science*, 7563: 140–152, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33263-0_12/`.

Hsiao:2012:MSV

[244] I.-Han Hsiao and Peter Brusilovsky. Motivational social visualizations for personalized E-learning. *Lecture Notes in Computer Science*, 7563: 153–165, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33263-0_13/`.

Hussaan:2012:GAL

[245] Aarij Mahmood Hussaan and Karim Sehaba. Generator of adaptive learning scenarios: Design and evaluation in the project CLES. *Lecture Notes in Computer Science*, 7563:166–179, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33263-0_14/`.

Kaschig:2012:TOA

[246] Andreas Kaschig, Ronald Maier, Alexander Sandow, Alan Brown, and Tobias Ley. Technological and organizational arrangements sparking effects on individual, community and organizational learning. *Lecture Notes in Computer Science*, 7563:180–193, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33263-0_15/`.

Law:2012:SRE

[247] Effie Lai-Chong Law, Arunangsu Chatterjee, Dominik Renzel, and Ralf Klamma. The social requirements engineering (SRE) approach to developing a large-scale personal learning environment infrastructure. *Lecture Notes in Computer Science*, 7563:194–207, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33263-0_16/`.

Marne:2012:SFS

[248] Bertrand Marne, John Wisdom, Benjamin Huynh-Kim-Bang, and Jean-Marc Labat. The six facets of serious game design: a methodology enhanced by our design pattern library. *Lecture Notes in Computer Science*, 7563:208–221, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33263-0_17/`.

McLaren:2012:EHE

[249] Bruce M. McLaren, Deanne Adams, Kelley Durkin, George Goguadze, and Richard E. Mayer. To err is human, to explain and correct is divine: a study of interactive erroneous examples with middle school math students. *Lecture Notes in Computer Science*, 7563:222–235, 2012. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33263-0_18/.

Mehm:2012:ATA

[250] Florian Mehm, Johannes Konert, Stefan Göbel, and Ralf Steinmetz. An authoring tool for adaptive digital educational games. *Lecture Notes in Computer Science*, 7563:236–249, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33263-0_19/.

Michel:2012:DRP

[251] Christine Michel, Elise Lavoué, and Laurent Pietrac. A dashboard to regulate project-based learning. *Lecture Notes in Computer Science*, 7563: 250–263, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33263-0_20/.

Anonymous:2012:FMo

[252] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7563: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-33263-0/1.

Bodei:2012:FSU

[253] Chiara Bodei, Pierpaolo Degano, Gian-Luigi Ferrari, and Letterio Galletta. Formalising security in ubiquitous and cloud scenarios. *Lecture Notes in Computer Science*, 7564:1–29, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33260-9_1/.

Cho:2012:DSC

[254] Young Im Cho. Designing smart cities: Security issues. *Lecture Notes in Computer Science*, 7564:30–40, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33260-9_2/.

Hyla:2012:CBE

[255] Tomasz Hyla and Jerzy Pejaś. Certificate-based encryption scheme with general access structure. *Lecture Notes in Computer Science*, 7564: 41–55, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33260-9_3/.

Homsirikamol:2012:SME

[256] Ekawat Homsirikamol, Paweł Morawiecki, Marcin Rogawski, and Marian Srebrny. Security margin evaluation of SHA-3 contest finalists through SAT-based attacks. *Lecture Notes in Computer Science*, 7564: 56–67, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33260-9_4/`.

Um-e-Ghazia:2012:UCM

[257] Um e Ghazia, Rahat Masood, Muhammad Awais Shibli, and Muhammad Bilal. Usage control model specification in XACML policy language. *Lecture Notes in Computer Science*, 7564:68–79, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33260-9_5/`.

Deb:2012:TTB

[258] Novarun Deb and Nabendu Chaki. TIDS: Trust-based intrusion detection system for wireless ad-hoc networks. *Lecture Notes in Computer Science*, 7564:80–91, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33260-9_6/`.

Gajdos:2012:IDC

[259] Petr Gajdoš and Pavel Moravec. Intruder data classification using GM-SOM. *Lecture Notes in Computer Science*, 7564:92–100, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33260-9_7/`.

Drazdilova:2012:MIS

[260] Pavla Dráždilová, Alisa Babskova, Jan Martinovič, Kateřina Slaninová, and Štěpán Minks. Method for identification of suitable persons in collaborators' networks. *Lecture Notes in Computer Science*, 7564:101–110, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33260-9_8/`.

Dasgupta:2012:GBF

[261] Subhasis Dasgupta and Aditya Bagchi. A graph-based formalism for controlling access to a digital library ontology. *Lecture Notes in Computer Science*, 7564:111–122, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33260-9_9/`.

Poniszewska-Maranda:2012:RAA

[262] Aneta Poniszewska-Maranda. Role approach in access control development with the usage control concept. *Lecture Notes in Computer Science*, 7564:123–134, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33260-9_10/`.

Misztal:2012:NAR

[263] Krzysztof Misztal, Jacek Tabor, and Khalid Saeed. A new algorithm for rotation detection in Iris pattern recognition. *Lecture Notes in Computer Science*, 7564:135–145, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33260-9_11/`.

Kozera:2012:ORL

[264] Ryszard Kozera and Jacek Tchórzewski. Outlier removal in 2D leap frog algorithm. *Lecture Notes in Computer Science*, 7564:146–157, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33260-9_12/`.

Doroz:2012:DSR

[265] Rafal Doroz and Krzysztof Wrobel. Dynamic signature recognition based on modified Windows technique. *Lecture Notes in Computer Science*, 7564:158–167, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33260-9_13/`.

Albarelli:2012:RNR

[266] Andrea Albarelli, Filippo Bergamasco, and Andrea Torsello. Rigid and non-rigid shape matching for mechanical components retrieval. *Lecture Notes in Computer Science*, 7564:168–179, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33260-9_14/`.

Cyganek:2012:EEE

[267] Bogusław Cyganek. Embedding of the extended Euclidean distance into pattern recognition with higher-order singular value decomposition of prototype tensors. *Lecture Notes in Computer Science*, 7564:180–190, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33260-9_15/`.

Porwik:2012:DVB

[268] Piotr Porwik and Tomasz Orczyk. DTW and voting-based lip print recognition system. *Lecture Notes in Computer Science*, 7564:191–202, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33260-9_16/`.

Rybnik:2012:AKD

[269] Mariusz Rybnik, Piotr Panasiuk, Khalid Saeed, and Marcin Rogowski. Advances in the keystroke dynamics: The practical impact of database quality. *Lecture Notes in Computer Science*, 7564:203–214, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33260-9_17/`.

Penhaker:2012:AIB

[270] Marek Penhaker, Petr Klimes, Jakub Pindor, and David Korpas. Advanced intracardial biosignal processing. *Lecture Notes in Computer Science*, 7564:215–223, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33260-9_18/`.

Mliki:2012:MCF

[271] Hazar Mliki, Mohamed Hammami, and Hanêne Ben-Abdallah. Multi-constraints face detect-track system. *Lecture Notes in Computer Science*, 7564:224–235, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33260-9_19/`.

Augustynek:2012:UDP

[272] Martin Augustynek, Ondrej Adamec, and David Micanik. Using a differential pressure sensor as spirometer. *Lecture Notes in Computer Science*, 7564:236–241, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33260-9_20/`.

Anonymous:2012:FMp

[273] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7564: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/content/pdf/bfm:978-3-642-33260-9/1`.

Raedt:2012:DMM

[274] Luc De Raedt. Declarative modeling for machine learning and data mining. *Lecture Notes in Computer Science*, 7569:1, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33492-4_1`.

Calders:2012:RDP

[275] Toon Calders. Recent developments in pattern mining. *Lecture Notes in Computer Science*, 7569:2, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33492-4_2`.

Ritschard:2012:ESD

[276] Gilbert Ritschard. Exploring sequential data. *Lecture Notes in Computer Science*, 7569:3–6, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33492-4_3/`.

Khoa:2012:LSS

[277] Nguyen Lu Dang Khoa and Sanjay Chawla. Large scale spectral clustering using resistance distance and Spielman–Teng solvers. *Lecture Notes in Computer Science*, 7569:7–21, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33492-4_4/`.

Alquier:2012:PQS

[278] Pierre Alquier and Xiaoyin Li. Prediction of quantiles by statistical learning and application to GDP forecasting. *Lecture Notes in Computer Science*, 7569:22–36, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33492-4_5/`.

Maes:2012:PSS

[279] Francis Maes, Raphael Fonteneau, Louis Wehenkel, and Damien Ernst. Policy search in a space of simple closed-form formulas: Towards interpretability of reinforcement learning. *Lecture Notes in Computer Science*, 7569:37–51, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33492-4_6/`.

Galbrun:2012:TFR

[280] Esther Galbrun and Angelika Kimmig. Towards finding relational redescriptions. *Lecture Notes in Computer Science*, 7569:52–66,

2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33492-4_7/`.

Gamberger:2012:DMS

[281] Dragan Gamberger, Dražen Lučanin, and Tomislav Šmuc. Descriptive modeling of systemic banking crises. *Lecture Notes in Computer Science*, 7569:67–80, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33492-4_8/`.

Makino:2012:TDB

[282] Shunsuke Makino, Takaharu Shimada, Kouichi Hirata, Kouki Yonezawa, and Kimihito Ito. A trim distance between positions in nucleotide sequences. *Lecture Notes in Computer Science*, 7569:81–94, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33492-4_9/`.

Suzuki:2012:DSH

[283] Einoshin Suzuki, Emi Matsumoto, and Asuki Kouno. Data squashing for HSV subimages by an autonomous mobile robot. *Lecture Notes in Computer Science*, 7569:95–109, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33492-4_10/`.

Desmier:2012:CCE

[284] Elise Desmier, Marc Plantevit, Céline Robardet, and Jean-François Boulicaut. Cohesive co-evolution patterns in dynamic attributed graphs. *Lecture Notes in Computer Science*, 7569:110–124, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33492-4_11/`.

Li:2012:ERR

[285] Rui Li and Stefan Kramer. Efficient redundancy reduced subgroup discovery via quadratic programming. *Lecture Notes in Computer Science*, 7569:125–138, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33492-4_12/`.

Nogueira:2012:HSS

[286] Bruno M. Nogueira, Alípio M. Jorge, and Solange O. Rezende. HCAC: Semi-supervised hierarchical clustering using confidence-based active learning. *Lecture Notes in Computer Science*, 7569:139–153,

2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33492-4_13/.

Dai:2012:LCL

[287] Bi-Ru Dai and Chih-Heng Chung. LF-CARS: a loose fragment-based consensus clustering algorithm with a robust similarity. *Lecture Notes in Computer Science*, 7569:154–168, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33492-4_14/.

Tabata:2012:FAA

[288] Koji Tabata, Atsuyoshi Nakamura, and Mineichi Kudo. Fast approximation algorithm for the 1-median problem. *Lecture Notes in Computer Science*, 7569:169–183, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33492-4_15/.

deRuijter:2012:OCR

[289] Tom de Ruijter, Evgeni Tsivtsivadze, and Tom Heskes. Online co-regularized algorithms. *Lecture Notes in Computer Science*, 7569:184–193, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33492-4_16/.

Adhikari:2012:FPT

[290] Prem Raj Adhikari and Jaakko Hollmén. Fast progressive training of mixture models for model selection. *Lecture Notes in Computer Science*, 7569:194–208, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33492-4_17/.

Fabregue:2012:ISR

[291] Mickaël Fabrègue, Agnès Braud, Sandra Bringay, Florence Le Ber, and Maguelonne Teisseire. Including spatial relations and scales within sequential pattern extraction. *Lecture Notes in Computer Science*, 7569:209–223, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33492-4_18/.

Ferreira:2012:PRE

[292] Carlos Abreu Ferreira, João Gama, Vítor Santos Costa, Vladimiro Miranda, and Audun Botterud. Predicting ramp events with a stream-based HMM framework. *Lecture Notes in Computer Science*, 7569:

224–238, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33492-4_19/.

Saito:2012:BDS

[293] Kazumi Saito, Kouzou Ohara, Masahiro Kimura, and Hiroshi Motoda. Burst detection in a sequence of tweets based on information diffusion model. *Lecture Notes in Computer Science*, 7569:239–253, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33492-4_20/.

Anonymous:2012:FMq

[294] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7569: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-33492-4/1.

Guizard:2012:STR

[295] Nicolas Guizard, Vladimir S. Fonov, Daniel García-Lorenzo, and Bérengère Aubert-Broche. Spatio-temporal regularization for longitudinal registration to an unbiased 3D individual template. *Lecture Notes in Computer Science*, 7570:1–12, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33555-6_1/.

Fiot:2012:LVG

[296] Jean-Baptiste Fiot, Laurent Risser, Laurent D. Cohen, and Jurgen Fripp. Local vs global descriptors of hippocampus shape evolution for Alzheimer's longitudinal population analysis. *Lecture Notes in Computer Science*, 7570:13–24, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33555-6_2/.

Duchateau:2012:WRF

[297] Nicolas Duchateau, Mathieu De Craene, Xavier Pennec, Beatriz Merino, and Marta Sitges. Which reorientation framework for the atlas-based comparison of motion from cardiac image sequences? *Lecture Notes in Computer Science*, 7570:25–37, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33555-6_3/.

Pearlman:2012:EDC

[298] Paul C. Pearlman, Ivana Išgum, Karina J. Kersbergen, and Manon J. N. L. Benders. Elastic demons: Characterizing cortical development in

neonates using an implicit surface registration. *Lecture Notes in Computer Science*, 7570:38–49, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33555-6_4/`.

Aubert-Broche:2012:NFA

[299] Bérengère Aubert-Broche, Vladimir S. Fonov, Daniel García-Lorenzo, and Abderazzak Mouiha. A new framework for analyzing structural volume changes of longitudinal brain MRI data. *Lecture Notes in Computer Science*, 7570:50–62, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33555-6_5/`.

Wang:2012:SLB

[300] Li Wang, Feng Shi, Gang Li, and Dinggang Shen. 4D segmentation of longitudinal brain MR images with consistent cortical thickness measurement. *Lecture Notes in Computer Science*, 7570:63–75, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33555-6_6/`.

Datar:2012:MES

[301] Manasi Datar, Prasanna Muralidharan, Abhishek Kumar, Sylvain Gouttard, and Joseph Piven. Mixed-effects shape models for estimating longitudinal changes in anatomy. *Lecture Notes in Computer Science*, 7570:76–87, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33555-6_7/`.

Serag:2012:ULS

[302] Ahmed Serag, Ioannis S. Gousias, Antonios Makropoulos, Paul Aljabar, and Joseph V. Hajnal. Unsupervised learning of shape complexity: Application to brain development. *Lecture Notes in Computer Science*, 7570:88–99, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33555-6_8/`.

Jiao:2012:STP

[303] Jieqing Jiao, Graham E. Searle, Andri C. Tziortzi, Cristian A. Salinas, and Roger N. Gunn. Spatial-temporal pharmacokinetic model based registration of 4D brain PET data. *Lecture Notes in Computer Science*, 7570:100–112, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33555-6_9/`.

Stretton:2012:PLG

[304] Erin Stretton, Emmanuel Mandonnet, Ezequiel Geremia, Bjoern H. Menze, and Hervé Delingette. Predicting the location of glioma recurrence after a resection surgery. *Lecture Notes in Computer Science*, 7570: 113–123, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33555-6_10/`.

Chitphakdithai:2012:TMB

[305] Nicha Chitphakdithai, Veronica L. Chiang, and James S. Duncan. Tracking metastatic brain tumors in longitudinal scans via joint image registration and labeling. *Lecture Notes in Computer Science*, 7570:124–136, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33555-6_11/`.

Liu:2012:MBS

[306] Xiaofeng Liu and Dirk Padfield. Motion-based segmentation for cardiomyocyte characterization. *Lecture Notes in Computer Science*, 7570: 137–146, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33555-6_12/`.

Narayanaswamy:2012:MTG

[307] Arunachalam Narayanaswamy, Amine Merouane, Antonio Peixoto, Ena Ladi, and Paul Herzmark. Multi-temporal globally-optimal dense 3-D cell segmentation and tracking from multi-photon time-lapse movies of live tissue microenvironments. *Lecture Notes in Computer Science*, 7570: 147–162, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33555-6_13/`.

Anonymous:2012:BMe

[308] Anonymous. Back matter. *Lecture Notes in Computer Science*, 7570: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/content/pdf/bbm:978-3-642-33555-6/1`.

Anonymous:2012:FMr

[309] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7570: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/content/pdf/bfm:978-3-642-33555-6/1`.

Freifeld:2012:LBM

[310] Oren Freifeld and Michael J. Black. Lie bodies: a manifold representation of 3D human shape. *Lecture Notes in Computer Science*, 7572: 1–14, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33718-5_1/`.

Li:2012:WPE

[311] Yunpeng Li, Noah Snavely, Dan Huttenlocher, and Pascal Fua. Worldwide pose estimation using 3D point clouds. *Lecture Notes in Computer Science*, 7572:15–29, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33718-5_2/`.

Beeler:2012:IRD

[312] Thabo Beeler, Derek Bradley, Henning Zimmer, and Markus Gross. Improved reconstruction of deforming surfaces by cancelling ambient occlusion. *Lecture Notes in Computer Science*, 7572:30–43, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33718-5_3/`.

Liu:2012:SDO

[313] Junbin Liu, Clinton Fookes, Tim Wark, and Sridha Sridharan. On the statistical determination of optimal camera configurations in large scale surveillance networks. *Lecture Notes in Computer Science*, 7572: 44–57, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33718-5_4/`.

Oxholm:2012:SGT

[314] Geoffrey Oxholm, Prabin Bariya, and Ko Nishino. The scale of geometric texture. *Lecture Notes in Computer Science*, 7572:58–71, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33718-5_5/`.

Valmadre:2012:EAT

[315] Jack Valmadre, Yingying Zhu, Sridha Sridharan, and Simon Lucey. Efficient articulated trajectory reconstruction using dynamic programming and filters. *Lecture Notes in Computer Science*, 7572:72–85, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33718-5_6/`.

Bao:2012:OCD

[316] Sid Yingze Bao, Yu Xiang, and Silvio Savarese. Object co-detection. *Lecture Notes in Computer Science*, 7572:86–101, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33718-5_7/`.

Li:2012:MDF

[317] Shaoxin Li, Xin Liu, Xiujuan Chai, Haihong Zhang, Shihong Lao, and Shiguang Shan. Morphable displacement field based image matching for face recognition across pose. *Lecture Notes in Computer Science*, 7572: 102–115, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33718-5_8/`.

Khamis:2012:CPF

[318] Sameh Khamis, Vlad I. Morariu, and Larry S. Davis. Combining per-frame and per-track cues for multi-person action recognition. *Lecture Notes in Computer Science*, 7572:116–129, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33718-5_9/`.

Lucchi:2012:JIW

[319] Aurelien Lucchi and Jason Weston. Joint image and word sense discrimination for image retrieval. *Lecture Notes in Computer Science*, 7572: 130–143, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33718-5_10/`.

Rohrbach:2012:SDA

[320] Marcus Rohrbach, Michaela Regneri, Mykhaylo Andriluka, Sikandar Amin, and Manfred Pinkal. Script data for attribute-based recognition of composite activities. *Lecture Notes in Computer Science*, 7572: 144–157, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33718-5_11/`.

Khosla:2012:UDD

[321] Aditya Khosla, Tinghui Zhou, Tomasz Malisiewicz, Alexei A. Efros, and Antonio Torralba. Undoing the damage of dataset bias. *Lecture Notes in Computer Science*, 7572:158–171, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33718-5_12/`.

Liu:2012:DBC

[322] Jiongxin Liu, Angjoo Kanazawa, David Jacobs, and Peter Belhumeur. Dog breed classification using part localization. *Lecture Notes in Computer Science*, 7572:172–185, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33718-5_13/`.

Kong:2012:DLA

[323] Shu Kong and Donghui Wang. A dictionary learning approach for classification: Separating the particularity and the commonality. *Lecture Notes in Computer Science*, 7572:186–199, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33718-5_14/`.

Holzer:2012:LED

[324] Stefan Holzer, Jamie Shotton, and Pushmeet Kohli. Learning to efficiently detect repeatable interest points in depth data. *Lecture Notes in Computer Science*, 7572:200–213, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33718-5_15/`.

Fernando:2012:EUF

[325] Basura Fernando, Elisa Fromont, and Tinne Tuytelaars. Effective use of frequent itemset mining for image classification. *Lecture Notes in Computer Science*, 7572:214–227, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33718-5_16/`.

Trzcinski:2012:EDP

[326] Tomasz Trzcinski and Vincent Lepetit. Efficient discriminative projections for compact binary descriptors. *Lecture Notes in Computer Science*, 7572:228–242, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33718-5_17/`.

Simonyan:2012:DLU

[327] Karen Simonyan, Andrea Vedaldi, and Andrew Zisserman. Descriptor learning using convex optimisation. *Lecture Notes in Computer Science*, 7572:243–256, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33718-5_18/`.

Narayanan:2012:BPO

[328] Maruthi Narayanan and Benjamin Kimia. Bottom-up perceptual organization of images into object part hypotheses. *Lecture Notes in Computer Science*, 7572:257–271, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33718-5_19/`.

Kim:2012:MGC

[329] Kwang In Kim, James Tompkin, Martin Theobald, Jan Kautz, and Christian Theobalt. Match graph construction for large image databases. *Lecture Notes in Computer Science*, 7572:272–285, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33718-5_20/`.

Anonymous:2012:FMs

[330] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7572: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/content/pdf/bfm:978-3-642-33718-5/1`.

Hinkle:2012:PRR

[331] Jacob Hinkle, Prasanna Muralidharan, P. Thomas Fletcher, and Sarang Joshi. Polynomial regression on Riemannian manifolds. *Lecture Notes in Computer Science*, 7574:1–14, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33712-3_1/`.

Avrithis:2012:AGM

[332] Yannis Avrithis and Yannis Kalantidis. Approximate Gaussian mixtures for large scale vocabularies. *Lecture Notes in Computer Science*, 7574: 15–28, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33712-3_2/`.

Wei:2012:GSU

[333] Yichen Wei, Fang Wen, Wangjiang Zhu, and Jian Sun. Geodesic saliency using background priors. *Lecture Notes in Computer Science*, 7574: 29–42, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33712-3_3/`.

Smith:2012:JFA

[334] Brandon M. Smith and Li Zhang. Joint face alignment with non-parametric shape models. *Lecture Notes in Computer Science*, 7574: 43–56, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33712-3_4/`.

Martins:2012:DBA

[335] Pedro Martins, Rui Caseiro, João F. Henriques, and Jorge Batista. Discriminative Bayesian active shape models. *Lecture Notes in Computer Science*, 7574:57–70, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33712-3_5/`.

Aodha:2012:PBS

[336] Oisin Mac Aodha, Neill D. F. Campbell, Arun Nair, and Gabriel J. Brostow. Patch based synthesis for single depth image super-resolution. *Lecture Notes in Computer Science*, 7574:71–84, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33712-3_6/`.

Rubinstein:2012:APL

[337] Michael Rubinstein, Ce Liu, and William T. Freeman. Annotation propagation in large image databases via dense image correspondence. *Lecture Notes in Computer Science*, 7574:85–99, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33712-3_7/`.

Kuang:2012:NSO

[338] Yubin Kuang and Kalle Åström. Numerically stable optimization of polynomial solvers for minimal problems. *Lecture Notes in Computer Science*, 7574:100–113, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33712-3_8/`.

Jammalamadaka:2012:MAS

[339] Nataraj Jammalamadaka, Andrew Zisserman, Marcin Eichner, and Vittorio Ferrari. Has my algorithm succeeded? An evaluator for human pose estimators. *Lecture Notes in Computer Science*, 7574:114–128, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33712-3_9/`.

Duan:2012:GTE

[340] Genquan Duan, Haizhou Ai, Song Cao, and Shihong Lao. Group tracking: Exploring mutual relations for multiple object tracking. *Lecture Notes in Computer Science*, 7574:129–143, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33712-3_10/`.

Kausler:2012:DCG

[341] Bernhard X. Kausler, Martin Schiegg, Bjoern Andres, Martin Lindner, and Ullrich Koethe. A discrete chain graph model for $3d + t$ cell tracking with high misdetection robustness. *Lecture Notes in Computer Science*, 7574:144–157, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33712-3_11/`.

Yao:2012:RTW

[342] Rui Yao, Qinfeng Shi, Chunhua Shen, Yanning Zhang, and Anton van den Hengel. Robust tracking with weighted online structured learning. *Lecture Notes in Computer Science*, 7574:158–172, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33712-3_12/`.

Rosman:2012:FRM

[343] Guy Rosman, Yu Wang, Xue-Cheng Tai, Ron Kimmel, and Alfred M. Bruckstein. Fast regularization of matrix-valued images. *Lecture Notes in Computer Science*, 7574:173–186, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33712-3_13/`.

Schuler:2012:BCO

[344] Christian J. Schuler, Michael Hirsch, Stefan Harmeling, and Bernhard Schölkopf. Blind correction of optical aberrations. *Lecture Notes in Computer Science*, 7574:187–200, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33712-3_14/`.

Aldrian:2012:IRF

[345] Oswald Aldrian and William A. P. Smith. Inverse rendering of faces on a cloudy day. *Lecture Notes in Computer Science*, 7574:201–214, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33712-3_15/`.

Aastrom:2012:TBP

[346] Freddie Åström, George Baravdish, and Michael Felsberg. On tensor-based PDEs and their corresponding variational formulations with application to color image denoising. *Lecture Notes in Computer Science*, 7574: 215–228, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33712-3_16/`.

Gong:2012:KTC

[347] Dian Gong, Gérard Medioni, Sikai Zhu, and Xuemei Zhao. Kernelized temporal cut for online temporal segmentation and recognition. *Lecture Notes in Computer Science*, 7574:229–243, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33712-3_17/`.

Cao:2012:GSS

[348] Yu Cao, Lili Ju, and Song Wang. Grain segmentation of 3D superalloy images using multichannel EWCVT under human annotation constraints. *Lecture Notes in Computer Science*, 7574:244–257, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33712-3_18/`.

Riemenschneider:2012:HRJ

[349] Hayko Riemenschneider, Sabine Sternig, Michael Donoser, Peter M. Roth, and Horst Bischof. Hough regions for joining instance localization and segmentation. *Lecture Notes in Computer Science*, 7574: 258–271, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33712-3_19/`.

Kowdle:2012:LSV

[350] Adarsh Kowdle and Tsuhan Chen. Learning to segment a video to clips based on scene and camera motion. *Lecture Notes in Computer Science*, 7574:272–286, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33712-3_20/`.

Anonymous:2012:FMt

[351] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7574: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/content/pdf/bfm:978-3-642-33712-3/1`.

Sharma:2012:LHO

[352] Gaurav Sharma, Sibt ul Hussain, and Frédéric Jurie. Local higher-order statistics (LHS) for texture categorization and facial analysis. *Lecture Notes in Computer Science*, 7578:1–12, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33786-4_1/`.

VandenBergh:2012:SSE

[353] Michael Van den Bergh, Xavier Boix, Gemma Roig, Benjamin de Capitani, and Luc Van Gool. SEEDS: Superpixels extracted via energy-driven sampling. *Lecture Notes in Computer Science*, 7578:13–26, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33786-4_2/`.

Kohler:2012:RPC

[354] Rolf Köhler, Michael Hirsch, Betty Mohler, Bernhard Schölkopf, and Stefan Harmeling. Recording and playback of camera shake: Benchmarking blind deconvolution with a real-world database. *Lecture Notes in Computer Science*, 7578:27–40, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33786-4_3/`.

Tsogkas:2012:LBS

[355] Stavros Tsogkas and Iasonas Kokkinos. Learning-based symmetry detection in natural images. *Lecture Notes in Computer Science*, 7578:41–54, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33786-4_4/`.

Shapovalova:2012:SCL

[356] Nataliya Shapovalova, Arash Vahdat, Kevin Cannons, Tian Lan, and Greg Mori. Similarity constrained latent support vector machine: An application to weakly supervised action classification. *Lecture Notes in Computer Science*, 7578:55–68, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33786-4_5/`.

Direkoglu:2012:TAR

[357] Cem Direkoğlu and Noel E. O'Connor. Team activity recognition in sports. *Lecture Notes in Computer Science*, 7578:69–83, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33786-4_6/`.

Vig:2012:SVD

[358] Eleonora Vig, Michael Dorr, and David Cox. Space-variant descriptor sampling for action recognition based on saliency and eye movements. *Lecture Notes in Computer Science*, 7578:84–97, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33786-4_7/`.

Nicolaou:2012:DPC

[359] Mihalis A. Nicolaou, Vladimir Pavlovic, and Maja Pantic. Dynamic probabilistic CCA for analysis of affective behaviour. *Lecture Notes in Computer Science*, 7578:98–111, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33786-4_8/`.

Jancsary:2012:LST

[360] Jeremy Jancsary, Sebastian Nowozin, and Carsten Rother. Loss-specific training of non-parametric image restoration models: a new state of the art. *Lecture Notes in Computer Science*, 7578:112–125, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33786-4_9/`.

Wang:2012:PAR

[361] Naiyan Wang, Tiansheng Yao, Jingdong Wang, and Dit-Yan Yeung. A probabilistic approach to robust matrix factorization. *Lecture Notes in Computer Science*, 7578:126–139, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33786-4_10/`.

Patz:2012:FPS

[362] Torben Pätz and Tobias Preusser. Fast parameter sensitivity analysis of PDE-based image processing methods. *Lecture Notes in Computer Science*, 7578:140–153, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33786-4_11/`.

Andres:2012:LFE

[363] Bjoern Andres, Jörg H. Kappes, Thorsten Beier, Ullrich Köthe, and Fred A. Hamprecht. The lazy flipper: Efficient depth-limited exhaustive search in discrete graphical models. *Lecture Notes in Computer Science*, 7578:154–166, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33786-4_12/`.

Du:2012:FAA

[364] Ming Du and Rama Chellappa. Face association across unconstrained video frames using conditional random fields. *Lecture Notes in Computer Science*, 7578:167–180, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33786-4_13/`.

Woodford:2012:CMG

[365] Oliver J. Woodford, Minh-Tri Pham, Atsuto Maki, Riccardo Gherardi, and Frank Perbet. Contraction moves for geometric model fitting. *Lecture Notes in Computer Science*, 7578:181–194, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33786-4_14/`.

Strelow:2012:GNW

[366] Dennis Strelow. General and nested Wiberg minimization: L_2 and maximum likelihood. *Lecture Notes in Computer Science*, 7578:195–207, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33786-4_15/`.

Strekalovskiy:2012:NPC

[367] Evgeny Strekalovskiy, Claudia Nieuwenhuis, and Daniel Cremers. Non-metric priors for continuous multilabel optimization. *Lecture Notes in Computer Science*, 7578:208–221, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33786-4_16/`.

Handa:2012:RTC

[368] Ankur Handa, Richard A. Newcombe, Adrien Angeli, and Andrew J. Davison. Real-time camera tracking: When is high frame-rate best? *Lecture Notes in Computer Science*, 7578:222–235, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33786-4_17/`.

Tappen:2012:BAA

[369] Marshall F. Tappen and Ce Liu. A Bayesian approach to alignment-based image hallucination. *Lecture Notes in Computer Science*, 7578:236–249, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33786-4_18/`.

Sanchez-Lozano:2012:CRN

[370] Enrique Sánchez-Lozano, Fernando De la Torre, and Daniel González-Jiménez. Continuous regression for non-rigid image alignment. *Lecture Notes in Computer Science*, 7578:250–263, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33786-4_19/`.

Rouhani:2012:NRS

[371] Mohammad Rouhani and Angel D. Sappa. Non-rigid shape registration: a single linear least squares framework. *Lecture Notes in Computer Science*, 7578:264–277, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33786-4_20/`.

Anonymous:2012:FMu

[372] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7578: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/content/pdf/bfm:978-3-642-33786-4/1`.

Aichholzer:2012:GH

[373] Oswin Aichholzer, Thomas Hackl, and Birgit Vogtenhuber. On 5-gons and 5-holes. *Lecture Notes in Computer Science*, 7579:1–13, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34191-5_1/`.

Akiyama:2012:RAP

[374] Jin Akiyama, Ikuro Sato, and Hyunwoo Seong. On reversibility among parallelohedra. *Lecture Notes in Computer Science*, 7579:14–28, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34191-5_2/`.

Bose:2012:HFC

[375] Prosenjit Bose and Sander Verdonschot. A history of flips in combinatorial triangulations. *Lecture Notes in Computer Science*, 7579: 29–44, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34191-5_3/`.

Pach:2012:TT

[376] János Pach, Radoš Radoičić, and Géza Tóth. Tangled thrackles. *Lecture Notes in Computer Science*, 7579:45–53, 2012. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34191-5_4/.

Toth:2012:OGE

[377] Csaba D. Tóth, Godfried T. Toussaint, and Andrew Winslow. Open guard edges and edge guards in simple polygons. *Lecture Notes in Computer Science*, 7579:54–64, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34191-5_5/.

ORourke:2012:SWR

[378] Joseph O'Rourke. String-wrapped rotating disks. *Lecture Notes in Computer Science*, 7579:65–78, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34191-5_6/.

Fabila-Monroy:2012:CNC

[379] Ruy Fabila-Monroy and David R. Wood. The chromatic number of the convex segment disjointness graph. *Lecture Notes in Computer Science*, 7579:79–84, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34191-5_7/.

Itoh:2012:CFC

[380] Jin ichi Itoh, Chie Nara, and Costin Vîlcu. Continuous flattening of convex polyhedra. *Lecture Notes in Computer Science*, 7579:85–97, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34191-5_8/.

Aichholzer:2012:CMP

[381] Oswin Aichholzer, Mario Cetina, Ruy Fabila-Monroy, and Jesús Leaños. Convexifying monotone polygons while maintaining internal visibility. *Lecture Notes in Computer Science*, 7579:98–108, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34191-5_9/.

Diaz-Banez:2012:NRO

[382] José M. Díaz-Báñez, Ruy Fabila-Monroy, and Pablo Pérez-Lantero. On the number of radial orderings of colored planar point sets. *Lecture Notes in Computer Science*, 7579:109–118, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34191-5_10/.

Omana-Pulido:2012:NTG

[383] Elsa Omaña-Pulido and Eduardo Rivera-Campo. Notes on the twisted graph. *Lecture Notes in Computer Science*, 7579:119–125, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34191-5_11/`.

Diaz-Banez:2012:LSF

[384] José Miguel Díaz-Báñez, Matias Korman, and Pablo Pérez-Lantero. Locating a service facility and a rapid transit line. *Lecture Notes in Computer Science*, 7579:126–137, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34191-5_12/`.

Souvaine:2012:SFE

[385] Diane L. Souvaine, Csaba D. Tóth, and Andrew Winslow. Simultaneously flippable edges in triangulations. *Lecture Notes in Computer Science*, 7579:138–145, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34191-5_13/`.

Iwerks:2012:SSP

[386] Justin Iwerks and Joseph S. B. Mitchell. Spiral serpentine polygonization of a planar point set. *Lecture Notes in Computer Science*, 7579:146–154, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34191-5_14/`.

Diaz-Banez:2012:CHP

[387] José Miguel Díaz-Báñez, Matias Korman, and Pablo Pérez-Lantero. The 1-center and 1-highway problem. *Lecture Notes in Computer Science*, 7579:155–165, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34191-5_15/`.

Caceres:2012:CGR

[388] José Cáceres, Carmen Cortés, and Clara Isabel Grima. Compact grid representation of graphs. *Lecture Notes in Computer Science*, 7579:166–174, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34191-5_16/`.

Sakai:2012:HID

[389] Toshinori Sakai and Jorge Urrutia. On the heaviest increasing or decreasing subsequence of a permutation, and paths and matchings on weighted point sets. *Lecture Notes in Computer Science*, 7579:175–184, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34191-5_17/`.

Demaine:2012:GSU

[390] Erik D. Demaine and Anna Lubiw. A generalization of the source unfolding of convex polyhedra. *Lecture Notes in Computer Science*, 7579:185–199, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34191-5_18/`.

Angelini:2012:LAC

[391] Patrizio Angelini, Giuseppe Di Battista, and Walter Didimo. Large angle crossing drawings of planar graphs in subquadratic area. *Lecture Notes in Computer Science*, 7579:200–209, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34191-5_19/`.

Abellanas:2012:CRC

[392] Manuel Abellanas, Antonio L. Bajuelos, and Santiago Canales. Connecting red cells in a bicolour Voronoi diagram. *Lecture Notes in Computer Science*, 7579:210–219, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-34191-5_20/`.

Anonymous:2012:FMv

[393] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7579:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/content/pdf/bfm:978-3-642-34191-5/1`.

Holmgren:2012:MAB

[394] Johan Holmgren, Linda Ramstedt, Paul Davidsson, and Jan A. Persson. Multi-agent-based simulation for analysis of transport policy and infrastructure measures. *Lecture Notes in Computer Science*, 7580:1–15, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-35612-4_1/`.

Savarimuthu:2012:ABS

[395] Bastin Tony Roy Savarimuthu, Maryam Purvis, and Harko Verhagen. An agent-based simulation of employing social norms in energy conservation in households. *Lecture Notes in Computer Science*, 7580: 16–31, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-35612-4_2/`.

Pfau:2012:ABM

[396] Jens Pfau, Michael Kirley, and Yoshihisa Kashima. An agent-based model of stereotype communication. *Lecture Notes in Computer Science*, 7580: 32–47, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-35612-4_3/`.

Fukuta:2012:ASE

[397] Naoki Fukuta and Takayuki Ito. An approach to sustainable electric power allocation using a multi-round multi-unit combinatorial auction. *Lecture Notes in Computer Science*, 7580:48–63, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-35612-4_4/`.

Takahashi:2012:CDV

[398] Satoshi Takahashi, Tokuro Matsuo, Takayuki Ito, and Roger Y. Lee. A co-dependent value-based mechanism for the Internet advertisement auction. *Lecture Notes in Computer Science*, 7580:64–77, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-35612-4_5/`.

Kanamori:2012:ESL

[399] Ryo Kanamori, Takayuki Morikawa, and Takayuki Ito. Evaluation of special lanes as incentive policies for promoting electric vehicles. *Lecture Notes in Computer Science*, 7580:78–89, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-35612-4_6/`.

delaHoz:2012:SCA

[400] Enrique de la Hoz, Ivan Marsa-Maestre, and Miguel A. Lopez-Carmona. Simulation of coordinated anticipatory vehicle routing strategies on MATSim. *Lecture Notes in Computer Science*, 7580:90–108, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-35612-4_7/`.

Ren:2012:ABD

[401] Fenghui Ren, Minjie Zhang, and Danny Soetanto. Agent-based demand management in a power distribution network by considering distributed generations. *Lecture Notes in Computer Science*, 7580:109–124, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-35612-4_8/`.

Anonymous:2012:BMf

[402] Anonymous. Back matter. *Lecture Notes in Computer Science*, 7580: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/content/pdf/bbm:978-3-642-35612-4/1`.

Anonymous:2012:FMw

[403] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7580: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/content/pdf/bfm:978-3-642-35612-4/1`.

Litany:2012:PPT

[404] Or Litany, Alexander M. Bronstein, and Michael M. Bronstein. Putting the pieces together: Regularized multi-part shape matching. *Lecture Notes in Computer Science*, 7583:1–11, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33863-2_1/`.

VanEyndhoven:2012:CME

[405] Geert Van Eyndhoven, Jan Sijbers, and Joost Batenburg. Combined motion estimation and reconstruction in tomography. *Lecture Notes in Computer Science*, 7583:12–21, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33863-2_2/`.

Abdelrahman:2012:OCU

[406] Mostafa Abdelrahman, Moumen El-Melegy, and Aly Farag. 3D object classification using scale invariant heat kernels with collaborative classification. *Lecture Notes in Computer Science*, 7583:22–31, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33863-2_3/`.

Sukno:2012:FLL

[407] Federico M. Sukno, John L. Waddington, and Paul F. Whelan. 3D facial landmark localization using combinatorial search and shape regression. *Lecture Notes in Computer Science*, 7583:32–41, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33863-2_4/`.

Raviv:2012:SSA

[408] Tammy Riklin Raviv, Yi Gao, James J. Levitt, and Sylvain Bouix. Statistical shape analysis for population studies via level-set based shape morphing. *Lecture Notes in Computer Science*, 7583:42–51, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33863-2_5/`.

Rosman:2012:GVR

[409] Guy Rosman, Alex M. Bronstein, Michael M. Bronstein, Xue-Cheng Tai, and Ron Kimmel. Group-valued regularization for analysis of articulated motion. *Lecture Notes in Computer Science*, 7583:52–62, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33863-2_6/`.

Marvaniya:2012:DAS

[410] Smit Marvaniya, Sreyasee Bhattacharjee, Venkatesh Manickavasagam, and Anurag Mittal. Drawing an automatic sketch of deformable objects using only a few images. *Lecture Notes in Computer Science*, 7583:63–72, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33863-2_7/`.

Berretti:2012:SSR

[411] Stefano Berretti, Alberto Del Bimbo, and Pietro Pala. Superfaces: a super-resolution model for 3D faces. *Lecture Notes in Computer Science*, 7583:73–82, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33863-2_8/`.

Kovnatsky:2012:SSM

[412] Artiom Kovnatsky, Michael M. Bronstein, and Alexander M. Bronstein. Stable spectral mesh filtering. *Lecture Notes in Computer Science*, 7583:83–91, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33863-2_9/`.

Uchida:2012:ADP

[413] Seiichi Uchida, Satoshi Hokahori, and Yaokai Feng. Analytical dynamic programming matching. *Lecture Notes in Computer Science*, 7583: 92–101, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33863-2_10/`.

Yang:2012:CPF

[414] Ying Yang, David Günther, Stefanie Wuhrer, Alan Brunton, and Ioannis Ivrissimtzis. Correspondences of persistent feature points on near-isometric surfaces. *Lecture Notes in Computer Science*, 7583:102–112, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33863-2_11/`.

Agudo:2012:RNR

[415] Antonio Agudo, Begoña Calvo, and J. M. M. Montiel. 3D reconstruction of non-rigid surfaces in real-time using wedge elements. *Lecture Notes in Computer Science*, 7583:113–122, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33863-2_12/`.

Iglesias:2012:SDS

[416] Jose A. Iglesias and Ron Kimmel. Schrödinger diffusion for shape analysis with texture. *Lecture Notes in Computer Science*, 7583:123–132, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33863-2_13/`.

Cheng:2012:ADF

[417] Xin Cheng, Sridha Sridharan, Jason Saraghi, and Simon Lucey. Anchored deformable face ensemble alignment. *Lecture Notes in Computer Science*, 7583:133–142, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33863-2_14/`.

Bardelli:2012:MOT

[418] Eleonora Bardelli, Maria Colombo, Andrea Mennucci, and Anthony Yezzi. Multiple object tracking via prediction and filtering with a Sobolev-type metric on curves. *Lecture Notes in Computer Science*, 7583:143–152, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33863-2_15/`.

Kinoshita:2012:FMF

[419] Koichi Kinoshita, Yoshinori Konishi, Masato Kawade, and Hiroshi Murase. Facial model fitting based on perturbation learning and It's evaluation on challenging real-world diversities images. *Lecture Notes in Computer Science*, 7583:153–162, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33863-2_16/`.

Zhu:2012:ARL

[420] Jiejie Zhu, Mayank Bansal, Nick Vander Valk, and Hui Cheng. Adaptive rendering for large-scale skyline characterization and matching. *Lecture Notes in Computer Science*, 7583:163–174, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33863-2_17/`.

Bansal:2012:UWB

[421] Mayank Bansal, Kostas Daniilidis, and Harpreet Sawhney. Ultra-wide baseline facade matching for geo-localization. *Lecture Notes in Computer Science*, 7583:175–186, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33863-2_18/`.

Hedau:2012:MED

[422] Varsha Hedau, Sudipta N. Sinha, C. Lawrence Zitnick, and Richard Szeliski. A memory efficient discriminative approach for location aided recognition. *Lecture Notes in Computer Science*, 7583:187–197, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33863-2_19/`.

Hartmann:2012:WSL

[423] Glenn Hartmann, Matthias Grundmann, Judy Hoffman, David Tsai, Vivek Kwatra, and Omid Madani. Weakly supervised learning of object segmentations from Web-scale video. *Lecture Notes in Computer Science*, 7583:198–208, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33863-2_20/`.

Anonymous:2012:FMx

[424] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7583: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/content/pdf/bfm:978-3-642-33863-2/1`.

Nair:2012:HAT

[425] Rahul Nair, Frank Lenzen, Stephan Meister, Henrik Schäfer, and Christoph Garbe. High accuracy TOF and stereo sensor fusion at interactive rates. *Lecture Notes in Computer Science*, 7584:1–11, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33868-7_1/`.

Langmann:2012:MFM

[426] Benjamin Langmann, Klaus Hartmann, and Otmar Loffeld. A modular framework for 2D/3D and multi-modal segmentation with joint super-resolution. *Lecture Notes in Computer Science*, 7584:12–21, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33868-7_2/`.

Wang:2012:RTP

[427] Zhe Wang, Hong Liu, Yueliang Qian, and Tao Xu. Real-time plane segmentation and obstacle detection of 3D point clouds for indoor scenes. *Lecture Notes in Computer Science*, 7584:22–31, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33868-7_3/`.

Bayramoglu:2012:CTG

[428] Neslihan Bayramogğlu, Janne Heikkilä, and Matti Pietikäinen. Combining textural and geometrical descriptors for scene recognition. *Lecture Notes in Computer Science*, 7584:32–41, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33868-7_4/`.

Lu:2012:HCI

[429] Jiwen Lu and Gang Wang. Human-centric indoor environment modeling from depth videos. *Lecture Notes in Computer Science*, 7584: 42–51, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33868-7_5/`.

Cheng:2012:HDA

[430] Zhongwei Cheng, Lei Qin, Yituo Ye, Qingming Huang, and Qi Tian. Human daily action analysis with multi-view and color-depth data. *Lecture Notes in Computer Science*, 7584:52–61, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33868-7_6/`.

Zeisl:2012:VIM

[431] Bernhard Zeisl, Kevin Köser, and Marc Pollefeys. Viewpoint invariant matching via developable surfaces. *Lecture Notes in Computer Science*, 7584:62–71, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33868-7_7/`.

Ren:2012:UEM

[432] Carl Yuheng Ren and Ian Reid. A unified energy minimization framework for model fitting in depth. *Lecture Notes in Computer Science*, 7584:72–82, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33868-7_8/`.

Fouhey:2012:ORR

[433] David F. Fouhey, Alvaro Collet, Martial Hebert, and Siddhartha Srinivasa. Object recognition robust to imperfect depth data. *Lecture Notes in Computer Science*, 7584:83–92, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33868-7_9/`.

Susanto:2012:ODM

[434] Wandi Susanto, Marcus Rohrbach, and Bernt Schiele. 3D object detection with multiple kinects. *Lecture Notes in Computer Science*, 7584:93–102, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33868-7_10/`.

Kowdle:2012:CMG

[435] Adarsh Kowdle, Andrew Gallagher, and Tsuhan Chen. Combining monocular geometric cues with traditional stereo cues for consumer camera stereo. *Lecture Notes in Computer Science*, 7584:103–113, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33868-7_11/`.

Sellent:2012:QAN

[436] Anita Sellent and Jochen Wingbermühle. Quality assessment of non-dense image correspondences. *Lecture Notes in Computer Science*, 7584:114–123, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33868-7_12/`.

Marquez-Valle:2012:CCF

[437] Patricia Márquez-Valle, Debora Gil, and Aura Hernàndez-Sabaté. A complete confidence framework for optical flow. *Lecture Notes in Computer Science*, 7584:124–133, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33868-7_13/`.

Cigla:2012:ISM

[438] Cevahir Çığla and A. Aydın Alatan. An improved stereo matching algorithm with ground plane and temporal smoothness constraints. *Lecture Notes in Computer Science*, 7584:134–147, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33868-7_14/`.

Mordohai:2012:ESF

[439] Philippos Mordohai. On the evaluation of scene flow estimation. *Lecture Notes in Computer Science*, 7584:148–157, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33868-7_15/`.

Haeusler:2012:AKD

[440] Ralf Haeusler and Reinhard Klette. Analysis of KITTI data for stereo analysis with stereo confidence measures. *Lecture Notes in Computer Science*, 7584:158–167, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33868-7_16/`.

Wulff:2012:LIC

[441] Jonas Wulff, Daniel J. Butler, Garrett B. Stanley, and Michael J. Black. Lessons and insights from creating a synthetic optical flow benchmark. *Lecture Notes in Computer Science*, 7584:168–177, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33868-7_17/`.

Batool:2012:MDW

[442] Nazre Batool and Rama Chellappa. Modeling and detection of wrinkles in aging human faces using marked point processes. *Lecture Notes in Computer Science*, 7584:178–188, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33868-7_18/`.

Otto:2012:HDA

[443] Charles Otto, Hu Han, and Anil Jain. How does aging affect facial components? *Lecture Notes in Computer Science*, 7584:189–198, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33868-7_19/`.

Riaz:2012:STM

[444] Zahid Riaz and Michael Beetz. Spatio-temporal multifeature for facial analysis. *Lecture Notes in Computer Science*, 7584:199–209, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33868-7_20/`.

Anonymous:2012:FMy

[445] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7584: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/content/pdf/bfm:978-3-642-33868-7/1`.

Pfeiffer:2012:PSO

[446] David Pfeiffer, Friedrich Erbs, and Uwe Franke. Pixels, stixels, and objects. *Lecture Notes in Computer Science*, 7585:1–10, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33885-4_1/`.

Benenson:2012:FSC

[447] Rodrigo Benenson, Markus Mathias, Radu Timofte, and Luc Van Gool. Fast stixel computation for fast pedestrian detection. *Lecture Notes in Computer Science*, 7585:11–20, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33885-4_2/`.

Maji:2012:DLP

[448] Subhransu Maji. Discovering a lexicon of parts and attributes. *Lecture Notes in Computer Science*, 7585:21–30, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33885-4_3/`.

Divvala:2012:HID

[449] Santosh K. Divvala, Alexei A. Efros, and Martial Hebert. How important are "deformable parts" in the deformable parts model? *Lecture Notes*

in Computer Science, 7585:31–40, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33885-4_4/`.

Kokkinos:2012:BPS

[450] Iasonas Kokkinos. Bounding part scores for rapid detection with deformable part models. *Lecture Notes in Computer Science*, 7585:41–50, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33885-4_5/`.

Su:2012:LCV

[451] Yu Su and Frédéric Jurie. Learning compact visual attributes for large-scale image classification. *Lecture Notes in Computer Science*, 7585:51–60, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33885-4_6/`.

Ma:2012:ULD

[452] Shugao Ma, Stan Sclaroff, and Nazli Ikizler-Cinbis. Unsupervised learning of discriminative relative visual attributes. *Lecture Notes in Computer Science*, 7585:61–70, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33885-4_7/`.

Kosmopoulos:2012:MOA

[453] Dimitrios I. Kosmopoulos and Fillia Makedon. A method for online analysis of structured processes using Bayesian filters and echo state networks. *Lecture Notes in Computer Science*, 7585:71–80, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33885-4_8/`.

Makantasis:2012:MCF

[454] Konstantinos Makantasis, Eftychios Protopapadakis, and Anastasios Doulamis. Monocular camera fall detection system exploiting 3D measures: a semi-supervised learning approach. *Lecture Notes in Computer Science*, 7585:81–90, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33885-4_9/`.

Munsell:2012:PIU

[455] Brent C. Munsell, Andrew Temlyakov, Chengzheng Qu, and Song Wang. Person identification using full-body motion and anthropometric biometrics from Kinect Videos. *Lecture Notes in Computer Science*, 7585:

91–100, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33885-4_10/.

Ghamdi:2012:STV

[456] Manal Al Ghamdi, Nouf Al Harbi, and Yoshihiko Gotoh. Spatio-temporal video representation with locality-constrained linear coding. *Lecture Notes in Computer Science*, 7585:101–110, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33885-4_11/.

Rota:2012:RTD

[457] Paolo Rota, Nicola Conci, and Nicu Sebe. Real time detection of social interactions in surveillance video. *Lecture Notes in Computer Science*, 7585:111–120, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33885-4_12/.

Brkic:2012:TST

[458] Karla Brkić, Axel Pinz, Zoran Kalafatić, and Siniša Šegvić. Towards space-time semantics in two frames. *Lecture Notes in Computer Science*, 7585:121–130, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33885-4_13/.

Ravichandran:2012:SML

[459] Avinash Ravichandran, Chaohui Wang, Michalis Raptis, and Stefano Soatto. SuperFloxels: a mid-level representation for video sequences. *Lecture Notes in Computer Science*, 7585:131–140, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33885-4_14/.

John:2012:RCL

[460] Vijay John, Gwenn Englebienne, and Ben Krose. Relative camera localisation in non-overlapping camera networks using multiple trajectories. *Lecture Notes in Computer Science*, 7585:141–150, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33885-4_15/.

Ito:2012:DIE

[461] Yuichi Ito, Kris M. Kitani, James A. Bagnell, and Martial Hebert. Detecting interesting events using unsupervised density ratio estimation. *Lecture Notes in Computer Science*, 7585:151–161, 2012. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33885-4_16/.

Pellegrini:2012:DFC

[462] Stefano Pellegrini, Jürgen Gall, Leonid Sigal, and Luc Van Gool. Destination flow for crowd simulation. *Lecture Notes in Computer Science*, 7585: 162–171, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33885-4_17/.

Barthelemy:2012:RID

[463] Quentin Barthélemy, Anthony Larue, and Jérôme I. Mars. 3D rotation invariant decomposition of motion signals. *Lecture Notes in Computer Science*, 7585:172–182, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33885-4_18/.

Mauthner:2012:LMA

[464] Thomas Mauthner, Peter M. Roth, and Horst Bischof. Learn to move: Activity specific motion models for tracking by detection. *Lecture Notes in Computer Science*, 7585:183–192, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33885-4_19/.

Ardo:2012:FCU

[465] Håkan Ardö, Mikael Nilsson, and Rikard Berthilsson. Flow counting using realboosted multi-sized window detectors. *Lecture Notes in Computer Science*, 7585:193–202, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33885-4_20/.

Anonymous:2012:FMz

[466] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7585: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-33885-4/1.

Henzinger:2012:QRM

[467] Thomas A. Henzinger. Quantitative reactive models. *Lecture Notes in Computer Science*, 7590:1–2, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33666-9_1.

Sanchez-Cuadrado:2012:BMM

[468] Jesús Sánchez-Cuadrado, Juan de Lara, and Esther Guerra. Bottom-up meta-modelling: An interactive approach. *Lecture Notes in Computer Science*, 7590:3–19, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33666-9_2/`.

Noyrit:2012:FMU

[469] Florian Noyrit, Sébastien Gérard, and Bran Selic. FacadeMetamodel: Masking UML. *Lecture Notes in Computer Science*, 7590:20–35, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33666-9_3/`.

Rabbi:2012:DSL

[470] Fazle Rabbi and Wendy MacCaull. $T_{\Box}$: a domain specific language for rapid workflow development. *Lecture Notes in Computer Science*, 7590:36–52, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33666-9_4/`.

Ramirez:2012:RCC

[471] Andres J. Ramirez, Betty H. C. Cheng, Nelly Bencomo, and Pete Sawyer. Relaxing claims: Coping with uncertainty while evaluating assumptions at run time. *Lecture Notes in Computer Science*, 7590:53–69, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33666-9_5/`.

Alferez:2012:DEC

[472] Germán H. Alférez and Vicente Pelechano. Dynamic evolution of context-aware systems with models at runtime. *Lecture Notes in Computer Science*, 7590:70–86, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33666-9_6/`.

Fouquet:2012:EMF

[473] François Fouquet, Grégory Nain, Brice Morin, Erwan Daubert, and Olivier Barais. An Eclipse modelling framework alternative to meet the models@runtime requirements. *Lecture Notes in Computer Science*, 7590:87–101, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33666-9_7/`.

Scheidgen:2012:ATM

[474] Markus Scheidgen, Anatolij Zubow, Joachim Fischer, and Thomas H. Kolbe. Automated and transparent model fragmentation for persisting large models. *Lecture Notes in Computer Science*, 7590:102–118, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33666-9_8/`.

Combemale:2012:FDI

[475] Benoit Combemale, Xavier Thirioux, and Benoit Baudry. Formally defining and iterating infinite models. *Lecture Notes in Computer Science*, 7590:119–133, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33666-9_9/`.

Hegedus:2012:QDS

[476] Ábel Hegedüs, Ákos Horváth, István Ráth, and Dániel Varró. Query-driven soft interconnection of EMF models. *Lecture Notes in Computer Science*, 7590:134–150, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33666-9_10/`.

Favre:2012:MLA

[477] Jean-Marie Favre, Ralf Lämmel, and Andrei Varanovich. Modeling the linguistic architecture of software products. *Lecture Notes in Computer Science*, 7590:151–167, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33666-9_11/`.

Pfeiffer:2012:CLS

[478] Rolf-Helge Pfeiffer and Andrzej Wasowski. Cross-language support mechanisms significantly aid software development. *Lecture Notes in Computer Science*, 7590:168–184, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33666-9_12/`.

Gravino:2012:DPD

[479] Carmine Gravino, Michele Risi, Giuseppe Scanniello, and Genoveffa Tortora. Do professional developers benefit from design pattern documentation? A replication in the context of source code comprehension. *Lecture Notes in Computer Science*, 7590:185–201, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33666-9_13/`.

Reder:2012:ICC

[480] Alexander Reder and Alexander Egyed. Incremental consistency checking for complex design rules and larger model changes. *Lecture Notes in Computer Science*, 7590:202–218, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33666-9_14/`.

Farias:2012:EIA

[481] Kleinner Farias, Alessandro Garcia, and Carlos Lucena. Evaluating the impact of aspects on inconsistency detection effort: a controlled experiment. *Lecture Notes in Computer Science*, 7590:219–234, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33666-9_15/`.

Hamann:2012:ISB

[482] Lars Hamann, Oliver Hofrichter, and Martin Gogolla. On integrating structure and behavior modeling with OCL. *Lecture Notes in Computer Science*, 7590:235–251, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33666-9_16/`.

Schroeter:2012:MPF

[483] Julia Schroeter, Malte Lochau, and Tim Winkelmann. Multi-perspectives on feature models. *Lecture Notes in Computer Science*, 7590:252–268, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33666-9_17/`.

Johansen:2012:GBP

[484] Martin Fagereng Johansen, Øystein Haugen, Franck Fleurey, and Anne Grete Eldegard. Generating better partial covering arrays by modeling weights on sub-product lines. *Lecture Notes in Computer Science*, 7590:269–284, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33666-9_18/`.

Kulkarni:2012:TBA

[485] Vinay Kulkarni, Souvik Barat, and Suman Roychoudhury. Towards business application product lines. *Lecture Notes in Computer Science*, 7590:285–301, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33666-9_19/`.

Maraee:2012:IAC

[486] Azzam Maraee and Mira Balaban. Inter-association constraints in UML2: Comparative analysis, usage recommendations, and modeling guidelines. *Lecture Notes in Computer Science*, 7590:302–318, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33666-9_20/`.

Anonymous:2012:FMba

[487] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7590: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/content/pdf/bfm:978-3-642-33666-9/1`.

Jongmans:2012:ACG

[488] Sung-Shik T. Q. Jongmans, Francesco Santini, Mahdi Sargolzaei, and Farhad Arbab. Automatic code generation for the orchestration of Web services with reo. *Lecture Notes in Computer Science*, 7592:1–16, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33427-6_1/`.

Barakat:2012:RSS

[489] Lina Barakat, Simon Miles, and Michael Luck. Reactive service selection in dynamic service environments. *Lecture Notes in Computer Science*, 7592:17–31, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33427-6_2/`.

Demchenko:2012:GBS

[490] Yuri Demchenko, Canh Ngo, Pedro Martínez-Julia, Elena Torroglosa, and Mary Grammatikou. GEMBus based services composition platform for cloud PaaS. *Lecture Notes in Computer Science*, 7592:32–47, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33427-6_3/`.

Preda:2012:IBS

[491] Mila Dalla Preda, Maurizio Gabbrielli, Claudio Guidi, Jacopo Mauro, and Fabrizio Montesi. Interface-based service composition with aggregation. *Lecture Notes in Computer Science*, 7592:48–63, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33427-6_4/`.

Collinson:2012:FMS

[492] Matthew Collinson, David Pym, and Barry Taylor. A framework for modelling security architectures in services ecosystems. *Lecture Notes in Computer Science*, 7592:64–79, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33427-6_5/`.

Wenge:2012:MAA

[493] Olga Wenge, Melanie Siebenhaar, Ulrich Lampe, Dieter Schuller, and Ralf Steinmetz. Much ado about security appeal: Cloud provider collaborations and their risks. *Lecture Notes in Computer Science*, 7592: 80–90, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33427-6_6/`.

deBoer:2012:FMR

[494] Frank S. de Boer, Reiner Hähnle, Einar Broch Johnsen, Rudolf Schlatte, and Peter Y. H. Wong. Formal modeling of resource management for cloud architectures: An industrial case study. *Lecture Notes in Computer Science*, 7592:91–106, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33427-6_7/`.

Nhan:2012:MDA

[495] Tam Le Nhan, Gerson Sunyé, and Jean-Marc Jézéquel. A model-driven approach for virtual machine image provisioning in cloud computing. *Lecture Notes in Computer Science*, 7592:107–121, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33427-6_8/`.

Heike:2012:PCC

[496] Christian Heike, Wolf Zimmermann, and Andreas Both. Protocol conformance checking of services with exceptions. *Lecture Notes in Computer Science*, 7592:122–137, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33427-6_9/`.

Pahl:2012:CSL

[497] Claus Pahl. Cloud service localisation. *Lecture Notes in Computer Science*, 7592:138–153, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33427-6_10/`.

Sagbo:2012:QAR

[498] Kouessi Arafat Romaric Sagbo and Pélagie Houngue. Quality architecture for resource allocation in cloud computing. *Lecture Notes in Computer Science*, 7592:154–168, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33427-6_11/`.

Zivkovic:2012:ARI

[499] Miroslav Živković and Hans van den Berg. Analysis of revenue improvements with runtime adaptation of service composition based on conditional request retries. *Lecture Notes in Computer Science*, 7592:169–183, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33427-6_12/`.

Dellkrantz:2012:PMA

[500] Manfred Dellkrantz, Maria Kihl, and Anders Robertsson. Performance modeling and analysis of a database server with write-heavy workload. *Lecture Notes in Computer Science*, 7592:184–191, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33427-6_13/`.

Ferber:2012:MCC

[501] Marvin Ferber and Thomas Rauber. Mobile cloud computing in 3G cellular networks using pipelined tasks. *Lecture Notes in Computer Science*, 7592:192–199, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33427-6_14/`.

Fittkau:2012:CUC

[502] Florian Fittkau, Sören Frey, and Wilhelm Hasselbring. Cloud user-centric enhancements of the simulator CloudSim to improve cloud deployment option analysis. *Lecture Notes in Computer Science*, 7592:200–207, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33427-6_15/`.

Guidi:2012:POP

[503] Claudio Guidi, Paolo Anedda, and Tullio Vardanega. PaaSSOA: An open PaaS architecture for service oriented applications. *Lecture Notes in Computer Science*, 7592:208–209, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33427-6_16`.

Vettor:2012:CML

[504] Pierre De Vettor, Michael Mrissa, and Carlos Pedrinaci. Context mediation as a linked service. *Lecture Notes in Computer Science*, 7592:210–211, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33427-6_17`.

Wang:2012:UCP

[505] Ming-Xue Wang and Claus Pahl. User-customisable policy monitoring for multi-tenant cloud architectures. *Lecture Notes in Computer Science*, 7592:212–213, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33427-6_18`.

Cheng:2012:ECB

[506] Bin Cheng, Sachin Agarwal, and Daniele Abbadessa. Enabling cobrowsing service across different browsers and devices. *Lecture Notes in Computer Science*, 7592:214–229, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33427-6_19/`.

Trammel:2012:DTP

[507] John Trammel, Ümit Yalçinalp, Andrei Kalfas, James Boag, and Dan Brotsky. Device token protocol for persistent authentication shared across applications. *Lecture Notes in Computer Science*, 7592:230–243, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33427-6_20/`.

Anonymous:2012:FMbb

[508] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7592: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/content/pdf/bfm:978-3-642-33427-6/1`.

Ajmal:2012:VST

[509] Muhammad Ajmal, Muhammad Husnain Ashraf, Muhammad Shakir, Yasir Abbas, and Faiz Ali Shah. Video summarization: Techniques and classification. *Lecture Notes in Computer Science*, 7594:1–13, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33564-8_1/`.

Bay:2012:DGM

[510] Thierry Bay, Romain Raffin, and Marc Daniel. Discrete geometric modeling of thick pelvic organs with a medial axis. *Lecture Notes in Computer Science*, 7594:14–21, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33564-8_2/`.

Bielecka:2012:ENA

[511] Marzena Bielecka and Andrzej Bielecki. An evolutionary-neural algorithm for solving inverse IFS problem for images in two-dimensional space. *Lecture Notes in Computer Science*, 7594:22–29, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33564-8_3/`.

Borkowski:2012:EAI

[512] Dariusz Borkowski. Euler's approximations to image reconstruction. *Lecture Notes in Computer Science*, 7594:30–37, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33564-8_4/`.

Borkowski:2012:ABS

[513] Dariusz Borkowski and Katarzyna Jańczak-Borkowska. Application of backward stochastic differential equations to reconstruction of vector-valued images. *Lecture Notes in Computer Science*, 7594:38–47, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33564-8_5/`.

Celebi:2012:BNG

[514] M. Emre Celebi, Quan Wen, Gerald Schaefer, and Huiyu Zhou. Batch neural gas with deterministic initialization for color quantization. *Lecture Notes in Computer Science*, 7594:48–54, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33564-8_6/`.

Serrano:2012:CFD

[515] Eduardo E. Dávila Serrano, Laurent Guigues, Jean-Pierre Roux, and Frédéric Cervenansky. CreaTools: a framework to develop medical image processing software: Application to simulate pipeline stent deployment in intracranial vessels with aneurysms. *Lecture Notes in Computer Science*, 7594:55–62, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33564-8_7/`.

Domanska:2012:VMD

[516] Diana Domańska, Marek Wojtylak, and Wiesław Kotarski. Visualization of multidimensional data in explorative forecast. *Lecture Notes in Computer Science*, 7594:63–70, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33564-8_8/`.

Goinski:2012:ASG

[517] Adam Goiński, Tomasz Zawadzki, and Sławomir Nikiel. Automatic shape generation based on quadratic four-dimensional fractals. *Lecture Notes in Computer Science*, 7594:71–78, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33564-8_9/`.

Grajek:2012:AAO

[518] Tomasz Grajek, Damian Karwowski, Adam Łuczak, Sławomir Maćkowiak, and Marek Domański. Architecture of algorithmically optimized MPEG-4 AVC/H.264 video encoder. *Lecture Notes in Computer Science*, 7594: 79–86, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33564-8_10/`.

Iwaneczko:2012:PUA

[519] Paweł Iwaneczko, Karol Jedrasiak, Krzysztof Daniec, and Aleksander Nawrat. A prototype of unmanned aerial vehicle for image acquisition. *Lecture Notes in Computer Science*, 7594:87–94, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33564-8_11/`.

Janik:2012:AHA

[520] Łukasz Janik, Karol Jedrasiak, Konrad Wojciechowski, and Andrzej Polański. Application of a hybrid algorithm for non–humanoid skeleton model estimation from motion capture data. *Lecture Notes in Computer Science*, 7594:95–104, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33564-8_12/`.

Jopek:2012:NMS

[521] Łukasz Jopek, Laurent Babout, and Marcin Janaszewski. A new method to segment X-ray microtomography images of lamellar titanium alloy based on directional filter banks and gray level gradient. *Lecture Notes in*

Computer Science, 7594:105–112, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33564-8_13/`.

Kapec:2012:IGE

[522] Peter Kapec, Michal Paprčka, and Adam Pažitnaj. Intelligent 3D graph exploration with time-travel features. *Lecture Notes in Computer Science*, 7594:113–120, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33564-8_14/`.

Karwowski:2012:IAA

[523] Damian Karwowski. Improved adaptive arithmetic coding for HEVC video compression technology. *Lecture Notes in Computer Science*, 7594: 121–128, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33564-8_15/`.

Komorowski:2012:ECC

[524] Jacek Komorowski and Przemysław Rokita. Extrinsic camera calibration method and its performance evaluation. *Lecture Notes in Computer Science*, 7594:129–138, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33564-8_16/`.

Kozera:2012:LEA

[525] Ryszard Kozera, Lyle Noakes, and Mariusz Rasiński. Length estimation for the adjusted exponential parameterization. *Lecture Notes in Computer Science*, 7594:139–147, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33564-8_17/`.

Kozera:2012:STE

[526] Ryszard Kozera and Mateusz Śmietanka. Sharpness in trajectory estimation by piecewise-quadratics(-cubics) and cumulative chords. *Lecture Notes in Computer Science*, 7594:148–155, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33564-8_18/`.

Krupinski:2012:EEB

[527] Robert Krupiński and Przemysław Mazurek. Estimation of electrooculography and blinking signals based on filter banks. *Lecture Notes in*

Computer Science, 7594:156–163, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33564-8_19/`.

Luczak:2012:LBD

[528] Adam Łuczak, Sławomir Maákowiak, Damian Karwowski, and Tomasz Grajek. A large barrel distortion in an acquisition system for multifocal images extraction. *Lecture Notes in Computer Science*, 7594: 164–171, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33564-8_20/`.

Anonymous:2012:FMbc

[529] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7594: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/content/pdf/bfm:978-3-642-33564-8/1`.

Basten:2012:MDD

[530] Twan Basten, Martijn Hendriks, Lou Somers, and Nikola Trčka. Model-driven design-space exploration for software-intensive embedded systems. *Lecture Notes in Computer Science*, 7595:1–6, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33365-1_1/`.

Larsen:2012:SMC

[531] Kim G. Larsen. Statistical model checking, refinement checking, optimization, ... for stochastic hybrid systems. *Lecture Notes in Computer Science*, 7595:7–10, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33365-1_2/`.

Akshay:2012:RTPb

[532] S. Akshay, Loïc Hélouët, Claude Jard, Didier Lime, and Olivier H. Roux. Robustness of time Petri nets under architectural constraints. *Lecture Notes in Computer Science*, 7595:11–26, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33365-1_3/`.

Asarin:2012:TTT

[533] Eugene Asarin, Nicolas Basset, Marie-Pierre Béal, Aldric Degorre, and Dominique Perrin. Toward a timed theory of channel coding. *Lecture Notes in Computer Science*, 7595:27–42, 2012. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33365-1_4/.

Bertrand:2012:POT

[534] Nathalie Bertrand and Sven Schewe. Playing optimally on timed automata with random delays. *Lecture Notes in Computer Science*, 7595: 43–58, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33365-1_5/.

Carter:2012:DDT

[535] Rebekah Carter and Eva M. Navarro-López. Dynamically-driven timed automaton abstractions for proving liveness of continuous systems. *Lecture Notes in Computer Science*, 7595:59–74, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33365-1_6/.

Chilton:2012:RTS

[536] Chris Chilton, Marta Kwiatkowska, and Xu Wang. Revisiting timed specification theories: a linear-time perspective. *Lecture Notes in Computer Science*, 7595:75–90, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33365-1_7/.

Dalsgaard:2012:MCR

[537] Andreas E. Dalsgaard, Alfons Laarman, Kim G. Larsen, Mads Chr. Olesen, and Jaco van de Pol. Multi-core reachability for timed automata. *Lecture Notes in Computer Science*, 7595:91–106, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33365-1_8/.

Dimitrova:2012:CGS

[538] Rayna Dimitrova and Bernd Finkbeiner. Counterexample-guided synthesis of observation predicates. *Lecture Notes in Computer Science*, 7595: 107–122, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33365-1_9/.

Ellen:2012:CBS

[539] Christian Ellen, Sebastian Gerwinn, and Martin Fränzle. Confidence bounds for statistical model checking of probabilistic hybrid systems. *Lecture Notes in Computer Science*, 7595:123–138, 2012. CODEN LNCSD9.

ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33365-1_10/.

Ghasemieh:2012:RBA

[540] Hamed Ghasemieh, Anne Remke, Boudewijn Haverkort, and Marco Gribaudo. Region-based analysis of hybrid Petri nets with a single general one-shot transition. *Lecture Notes in Computer Science*, 7595: 139–154, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33365-1_11/.

Herrera:2012:RQE

[541] Christian Herrera, Bernd Westphal, Sergio Feo-Arenis, Marco Muñiz, and Andreas Podelski. Reducing quasi-equal clocks in networks of timed automata. *Lecture Notes in Computer Science*, 7595:155–170, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33365-1_12/.

Kindermann:2012:SBI

[542] Roland Kindermann, Tommi Junttila, and Ilkka Niemelä. SMT-based induction methods for timed systems. *Lecture Notes in Computer Science*, 7595:171–187, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33365-1_13/.

Muniz:2012:TAD

[543] Marco Muñiz, Bernd Westphal, and Andreas Podelski. Timed automata with disjoint activity. *Lecture Notes in Computer Science*, 7595: 188–203, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33365-1_14/.

Peter:2012:CBS

[544] Hans-Jörg Peter and Bernd Finkbeiner. The complexity of bounded synthesis for timed control with partial observability. *Lecture Notes in Computer Science*, 7595:204–219, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33365-1_15/.

Rinast:2012:SDZ

[545] Jonas Rinast and Sibylle Schupp. Static detection of Zeno runs in UPPAAL networks based on synchronization matrices and two data-variable heuristics. *Lecture Notes in Computer Science*, 7595:220–235,

2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33365-1_16/.

Stainer:2012:FFT

[546] Amélie Stainer. Frequencies in forgetful timed automata. *Lecture Notes in Computer Science*, 7595:236–251, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33365-1_17/.

Wehrle:2012:MHS

[547] Martin Wehrle and Sebastian Kupferschmid. MCTA: Heuristics and search for timed systems. *Lecture Notes in Computer Science*, 7595: 252–266, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33365-1_18/.

Anonymous:2012:BMg

[548] Anonymous. Back matter. *Lecture Notes in Computer Science*, 7595: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bbm:978-3-642-33365-1/1.

Anonymous:2012:FMbd

[549] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7595: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/content/pdf/bfm:978-3-642-33365-1/1.

Takimoto:2012:CES

[550] Tomoya Takimoto and Fukuhito Ooshita. Communication-efficient self-stabilization in wireless networks. *Lecture Notes in Computer Science*, 7596:1–15, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33536-5_1/.

Kohler:2012:SSL

[551] Sven Köhler, Volker Turau, and Gerhard Mentges. Self-stabilizing local k-placement of replicas with minimal variance. *Lecture Notes in Computer Science*, 7596:16–30, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33536-5_2/.

Neggazi:2012:SSA

[552] Brahim Neggazi and Mohammed Haddad. Self-stabilizing algorithm for maximal graph partitioning into triangles. *Lecture Notes in Computer Science*, 7596:31–42, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33536-5_3/`.

Malekpour:2012:BAS

[553] Mahyar R. Malekpour. Brief announcement: Self-stabilizing synchronization of arbitrary digraphs in presence of faults. *Lecture Notes in Computer Science*, 7596:43–45, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33536-5_4/`.

Datta:2012:BAS

[554] Ajoy K. Datta and Stéphane Devismes. Brief announcement: Self-stabilizing silent disjunction in an anonymous network. *Lecture Notes in Computer Science*, 7596:46–48, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33536-5_5/`.

Ooshita:2012:SSM

[555] Fukuhito Ooshita and Sébastien Tixeuil. On the self-stabilization of mobile oblivious robots in uniform rings. *Lecture Notes in Computer Science*, 7596:49–63, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33536-5_6/`.

Devismes:2012:OGE

[556] Stéphane Devismes and Anissa Lamani. Optimal grid exploration by asynchronous oblivious robots. *Lecture Notes in Computer Science*, 7596:64–76, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33536-5_7/`.

Michail:2012:TPP

[557] Othon Michail and Ioannis Chatzigiannakis. Terminating population protocols via some minimal global knowledge assumptions. *Lecture Notes in Computer Science*, 7596:77–89, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33536-5_8/`.

Fugger:2012:BAD

[558] Matthias Függer and Alexander Kößler. Brief announcement: The degrading effect of forgetting on a synchronizer. *Lecture Notes in Computer Science*, 7596:90–91, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/accesspage/chapter/10.1007/978-3-642-33536-5_9`.

Izumi:2012:BAM

[559] Tomoko Izumi, Yukiko Yamauchi, and Sayaka Kamei. Brief announcement: Mobile agent rendezvous on edge evolving rings. *Lecture Notes in Computer Science*, 7596:92–94, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33536-5_10/`.

Liu:2012:HLE

[560] Yanhong A. Liu, Scott D. Stoller, and Bo Lin. High-level executable specifications of distributed algorithms. *Lecture Notes in Computer Science*, 7596:95–110, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33536-5_11/`.

Jarraya:2012:FVS

[561] Yosr Jarraya and Arash Eghtesadi. Formal verification of security preservation for migrating virtual machines in the cloud. *Lecture Notes in Computer Science*, 7596:111–125, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33536-5_12/`.

Adamek:2012:EPT

[562] Jordan Adamek and Mikhail Nesterenko. Evaluating practical tolerance properties of stabilizing programs through simulation: The case of propagation of information with feedback. *Lecture Notes in Computer Science*, 7596:126–132, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33536-5_13/`.

Dolev:2012:SSE

[563] Shlomi Dolev and Ariel Hanemann. Self-stabilizing end-to-end communication in (bounded capacity, omitting, duplicating and non-FIFO) dynamic networks. *Lecture Notes in Computer Science*, 7596:133–147, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33536-5_14/`.

Ducourthial:2012:SSD

[564] Bertrand Ducourthial and Véronique Cherfaoui. Self-stabilizing distributed data fusion. *Lecture Notes in Computer Science*, 7596:148–162, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33536-5_15/`.

Johnen:2012:SSS

[565] Colette Johnen. From self- to self-stabilizing with service guarantee 1-hop weight-based clustering. *Lecture Notes in Computer Science*, 7596: 163–178, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33536-5_16/`.

Chen:2012:BAV

[566] Jingshu Chen. Brief announcement: Verification of stabilizing programs with SMT solvers. *Lecture Notes in Computer Science*, 7596: 179–182, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33536-5_17/`.

Muftuoglu:2012:BAM

[567] Can Arda Muftuoglu, Péter Bokor, and Neeraj Suri. Brief announcement: MP-state: State-aware software model checking of message-passing systems. *Lecture Notes in Computer Science*, 7596:183–186, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33536-5_18/`.

Ateniese:2012:OAM

[568] Giuseppe Ateniese and Roberto Baldoni. Oblivious assignment with m slots. *Lecture Notes in Computer Science*, 7596:187–201, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33536-5_19/`.

Alaggan:2012:BNI

[569] Mohammad Alaggan and Sébastien Gambs. BLIP: Non-interactive differentially-private similarity computation on Bloom filters. *Lecture Notes in Computer Science*, 7596:202–216, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33536-5_20/`.

Anonymous:2012:FMbe

[570] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7596: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/content/pdf/bfm:978-3-642-33536-5/1`.

Gong:2012:FRS

[571] Tao Gong. Face recognition by searching most similar sample with immune learning. *Lecture Notes in Computer Science*, 7597:1–13, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33757-4_1/`.

Pierrard:2012:MOA

[572] Thomas Pierrard and Carlos A. Coello Coello. A multi-objective artificial immune system based on hypervolume. *Lecture Notes in Computer Science*, 7597:14–27, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33757-4_2/`.

Textor:2012:CSN

[573] Johannes Textor. A comparative study of negative selection based anomaly detection in sequence data. *Lecture Notes in Computer Science*, 7597:28–41, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33757-4_3/`.

Lim:2012:IIS

[574] TiongHoo Lim, HuiKeng Lau, Jon Timmis, and Iain Bate. Immune-inspired self healing in wireless sensor networks. *Lecture Notes in Computer Science*, 7597:42–56, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33757-4_4/`.

Figueredo:2012:BGS

[575] Grazziela P. Figueredo, Peer-Olaf Siebers, Uwe Aickelin, and Stephanie Foan. A beginner's guide to systems simulation in immunology. *Lecture Notes in Computer Science*, 7597:57–71, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33757-4_5/`.

Tsang:2012:CBM

[576] Wilburn W. P. Tsang and Henry Y. K. Lau. Clustering-based multi-objective immune optimization evolutionary algorithm. *Lecture Notes in*

Computer Science, 7597:72–85, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33757-4_6/`.

Gogolinska:2012:PNA

[577] Anna Gogolinska and Wieslaw Nowak. Petri nets approach to modeling of immune system and autism. *Lecture Notes in Computer Science*, 7597:86–99, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33757-4_7/`.

deOliveira:2012:MII

[578] Cicero Hildenberg Lima de Oliveira, Thayna Baptista Moroso, and Fabio Hugo Souza Matos. Mathematical implementation of interaction between malaria and immune system. *Lecture Notes in Computer Science*, 7597:100–110, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33757-4_8/`.

Jansen:2012:CLC

[579] Thomas Jansen and Christine Zarges. Computing longest common subsequences with the B-cell algorithm. *Lecture Notes in Computer Science*, 7597:111–124, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33757-4_9/`.

Fu:2012:BTI

[580] Jun Fu, Huan Yang, Yiwen Liang, and Chengyu Tan. Bait a trap: Introducing natural killer cells to artificial immune system for spyware detection. *Lecture Notes in Computer Science*, 7597:125–138, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33757-4_10/`.

Elsayed:2012:ACI

[581] Samir A. Mohamed Elsayed, Sanguthevar Rajasekaran, and Reda A. Ammar. AC-CS: An immune-inspired associative classification algorithm. *Lecture Notes in Computer Science*, 7597:139–151, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33757-4_11/`.

Chelly:2012:RDN

[582] Zeineb Chelly and Zied Elouedi. RC-DCA: a new feature selection and signal categorization technique for the Dendritic Cell Algorithm

based on rough set theory. *Lecture Notes in Computer Science*, 7597: 152–165, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33757-4_12/.

Mariani:2012:AIN

[583] Viviana Cocco Mariani, Leandro dos Santos Coelho, and Anderson Duck. Artificial immune network approach with Beta differential operator applied to optimization of heat exchangers. *Lecture Notes in Computer Science*, 7597:166–177, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33757-4_13/.

Mostardinha:2012:NSA

[584] Patricia Mostardinha, Bruno Filipe Faria, André Zúquete, and Fernão Vistulo de Abreu. A negative selection approach to intrusion detection. *Lecture Notes in Computer Science*, 7597:178–190, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33757-4_14/.

Tarapore:2012:CNS

[585] Danesh Tarapore, Anders Lyhne Christensen, Pedro U. Lima, and Jorge Carneiro. Clonal Expansion without Self-replicating Entities. *Lecture Notes in Computer Science*, 7597:191–204, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33757-4_15/.

Mohammadi:2012:RTA

[586] Mahdi Mohammadi, Ahmad Akbari, Bijan Raahemi, and Babak Nassersharif. A real time anomaly detection system based on probabilistic artificial immune based algorithm. *Lecture Notes in Computer Science*, 7597: 205–217, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33757-4_16/.

Cai:2012:CIN

[587] Zixing Cai, Xingbao Liu, and Xiaoping Ren. CSA/IE: Novel clonal selection algorithm with information exchange for high dimensional global optimization problems. *Lecture Notes in Computer Science*, 7597:218–231, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33757-4_17/.

Pinacho:2012:EAA

[588] Pedro Pinacho, Iván Pau, Max Chacón, and Sergio Sánchez. An ecological approach to anomaly detection: The EIA model. *Lecture Notes in Computer Science*, 7597:232–245, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33757-4_18/`.

Musselle:2012:RCD

[589] Chris Musselle. Rethinking concepts of the Dendritic Cell Algorithm for multiple data stream analysis. *Lecture Notes in Computer Science*, 7597: 246–259, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33757-4_19/`.

Giancarlo:2012:SBM

[590] Raffaele Giancarlo and Filippo Utro. Stability-based model selection for high throughput genomic data: An algorithmic paradigm. *Lecture Notes in Computer Science*, 7597:260–270, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33757-4_20/`.

Anonymous:2012:FMbf

[591] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7597: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/content/pdf/bfm:978-3-642-33757-4/1`.

Faraj:2012:RSI

[592] Noura Faraj, Jean-Marc Thiery, Isabelle Bloch, Nadège Varsier, and Joe Wiart. Robust and scalable interactive freeform modeling of high definition medical images. *Lecture Notes in Computer Science*, 7599: 1–11, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33463-4_1/`.

Cui:2012:ASA

[593] Xinyi Cui, Shaoting Zhang, Yiqiang Zhan, Mingchen Gao, and Junzhou Huang. 3D anatomical shape Atlas construction using mesh quality preserved deformable models. *Lecture Notes in Computer Science*, 7599: 12–21, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33463-4_2/`.

Albrecht:2012:AFR

[594] Thomas Albrecht and Thomas Vetter. Automatic fracture reduction. *Lecture Notes in Computer Science*, 7599:22–29, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33463-4_3/`.

Whitmarsh:2012:ARC

[595] Tristan Whitmarsh, Luis M. Del Río Barquero, Silvana Di Gregorio, and Jorge Malouf Sierra. Age-related changes in vertebral morphometry by statistical shape analysis. *Lecture Notes in Computer Science*, 7599:30–39, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33463-4_4/`.

Zhang:2012:AMF

[596] Ju Zhang, Duane Malcolm, Jacqui Hislop-Jambrich, C. David L. Thomas, and Poul Nielsen. Automatic meshing of femur cortical surfaces from clinical CT images. *Lecture Notes in Computer Science*, 7599:40–48, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33463-4_5/`.

Jensen:2012:SSR

[597] Rasmus R. Jensen, Oline V. Olesen, Rasmus R. Paulsen, Mike van der Poel, and Rasmus Larsen. Statistical surface recovery: a study on ear canals. *Lecture Notes in Computer Science*, 7599:49–58, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33463-4_6/`.

Zhang:2012:ASC

[598] Hong Zhang, Yuanfeng Jiao, Yongjie Zhang, and Kenji Shimada. Automated segmentation of cerebral aneurysms based on conditional random field and gentle adaboost. *Lecture Notes in Computer Science*, 7599:59–69, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33463-4_7/`.

Kim:2012:CMD

[599] Youngjun Kim, Seungbin Lee, Frédérick Roy, Deukhee Lee, Laehyun Kim, and Sehyung Park. Carving mesh with deformation for soft tissue removal simulation. *Lecture Notes in Computer Science*, 7599:70–79, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (elec-

tronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33463-4_8/.

Gao:2012:SRS

[600] Yi Gao and Sylvain Bouix. Synthesis of realistic subcortical anatomy with known surface deformations. *Lecture Notes in Computer Science*, 7599:80–88, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33463-4_9/.

Gutman:2012:RSC

[601] Boris A. Gutman, Ryan McComb, Jay Sung, Won Moon, and Paul M. Thompson. Robust shape correspondence via spherical patch matching for atlases of partial skull models. *Lecture Notes in Computer Science*, 7599:89–100, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33463-4_10/.

Kahnt:2012:FPM

[602] Max Kahnt, Heiko Ramm, Hans Lamecker, and Stefan Zachow. Feature-preserving, multi-material mesh generation using hierarchical oracles. *Lecture Notes in Computer Science*, 7599:101–111, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33463-4_11/.

Li:2012:PCS

[603] Gang Li, Jingxin Nie, and Dinggang Shen. Partition cortical surfaces into supervertices: Method and application. *Lecture Notes in Computer Science*, 7599:112–121, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33463-4_12/.

Park:2012:ABE

[604] Jeonghyung Park, Suzanne M. Shontz, and Corina S. Drapaca. Automatic boundary evolution tracking via a combined level set method and mesh warping technique: Application to hydrocephalus. *Lecture Notes in Computer Science*, 7599:122–133, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-33463-4_13/.

Pepe:2012:SRG

[605] Antonietta Pepe, Laura Brandolini, Marco Piastra, Juha Koikkalainen, and Jarmo Hietala. Simplified Reeb graph as effective shape descrip-

tor for the striatum. *Lecture Notes in Computer Science*, 7599:134–146, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33463-4_14/`.

Sibbing:2012:TAQ

[606] Dominik Sibbing, Hans-Christian Ebke, Kai Ingo Esser, and Leif Kobbelt. Topology aware quad dominant meshing for vascular structures. *Lecture Notes in Computer Science*, 7599:147–158, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33463-4_15/`.

Voglreiter:2012:VRT

[607] Philip Voglreiter, Markus Steinberger, Dieter Schmalstieg, and Bernhard Kainz. Volumetric real-time particle-based representation of large unstructured tetrahedral polygon meshes. *Lecture Notes in Computer Science*, 7599:159–168, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/chapter/10.1007/978-3-642-33463-4_16/`.

Anonymous:2012:BMh

[608] Anonymous. Back matter. *Lecture Notes in Computer Science*, 7599: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/content/pdf/bbm:978-3-642-33463-4/1`.

Anonymous:2012:FMbg

[609] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7599: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL `http://link.springer.com/content/pdf/bfm:978-3-642-33463-4/1`.

Finkel:2012:RPI

[610] Alain Finkel, Jérôme Leroux, and Igor Potapov, editors. *Reachability Problems: 6th International Workshop, RP 2012, Bordeaux, France, September 17–19, 2012. Proceedings*, volume 7550 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33511-X (print), 3-642-33512-8 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL `http://www.springerlink.com/content/978-3-642-33512-9`.

Golumbic:2012:GTC

[611] Martin Charles Golumbic, Michal Stern, Avivit Levy, and Gila Morgenstern, editors. *Graph-Theoretic Concepts in Computer Science: 38th In-*

ternational Workshop, WG 2012, Jerusalem, Israel, June 26–28, 2012, Revised Selcted Papers, volume 7551 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34610-3 (print), 3-642-34611-1 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL `http://www.springerlink.com/content/978-3-642-34611-8`.

Villa:2012:ANNa

[612] Alessandro E. P. Villa, Włodzisław Duch, Péter Érdi, Francesco Masulli, and Günther Palm, editors. *Artificial Neural Networks and Machine Learning — ICANN 2012: 22nd International Conference on Artificial Neural Networks, Lausanne, Switzerland, September 11–14, 2012, Proceedings, Part I*, volume 7552 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33268-4 (print), 3-642-33269-2 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL `http://www.springerlink.com/content/978-3-642-33269-2`.

Villa:2012:ANNb

[613] Alessandro E. Villa, Włodzisław Duch, Péter Érdi, Francesco Masulli, and Günther Palm, editors. *Artificial Neural Networks and Machine Learning — ICANN 2012: 22nd International Conference on Artificial Neural Networks, Lausanne, Switzerland, September 11–14, 2012, Proceedings, Part II*, volume 7553 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33265-X (print), 3-642-33266-8 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL `http://www.springerlink.com/content/978-3-642-33266-1`.

Junior:2012:PLB

[614] Francisco Heron de Carvalho Junior and Luis Soares Barbosa, editors. *Programming Languages: 16th Brazilian Symposium, SBLP 2012, Natal, Brazil, September 23–28, 2012. Proceedings*, volume 7554 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33181-5 (print), 3-642-33182-3 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL `http://www.springerlink.com/content/978-3-642-33182-4`.

Hu:2012:CLT

[615] Hao Hu, Xiaoning Shi, Robert Stahlbock, and Stefan Voß, editors. *Computational Logistics: Third International Conference, ICCL 2012, Shanghai, China, September 24–26, 2012. Proceedings*, volume 7555 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA,

2012. CODEN LNCSD9. ISBN 3-642-33586-1 (print), 3-642-33587-X (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL http://www.springerlink.com/content/978-3-642-33587-7.

Domingo-Ferrer:2012:PSD

[616] Josep Domingo-Ferrer and Ilenia Tinnirello, editors. *Privacy in Statistical Databases: UNESCO Chair in Data Privacy, International Conference, PSD 2012, Palermo, Italy, September 26–28, 2012. Proceedings*, volume 7556 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33626-4 (print), 3-642-33627-2 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL http://www.springerlink.com/content/978-3-642-33627-0.

Ramsay:2012:AIM

[617] Allan Ramsay and Gennady Agre, editors. *Artificial Intelligence: Methodology, Systems, and Applications: 15th International Conference, AIMSA 2012, Varna, Bulgaria, September 12–15, 2012. Proceedings*, volume 7557 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33184-X (print), 3-642-33185-8 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL http://www.springerlink.com/content/978-3-642-33185-5.

Popescu:2012:AWB

[618] Elvira Popescu, Qing Li, Ralf Klamma, Howard Leung, and Marcus Specht, editors. *Advances in Web-Based Learning — ICWL 2012: 11th International Conference, Sinaia, Romania, September 2–4, 2012. Proceedings*, volume 7558 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33641-8 (print), 3-642-33642-6 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL http://www.springerlink.com/content/978-3-642-33642-3.

Salah:2012:HBUb

[619] Albert Ali Salah, Javier Ruiz del Solar, Çetin Meriçli, and Pierre-Yves Oudeyer, editors. *Human Behavior Understanding: Third International Workshop, HBU 2012, Vilamoura, Portugal, October 7, 2012. Proceedings*, volume 7559 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34013-X (print), 3-642-34014-8 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL http://www.springerlink.com/content/978-3-642-34014-7.

Kahl:2012:RAM

[620] Wolfram Kahl and Timothy G. Griffin, editors. *Relational and Algebraic Methods in Computer Science: 13th International Conference, RAMiCS 2012, Cambridge, UK, September 17–20, 2012. Proceedings*, volume 7560 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33313-3 (print), 3-642-33314-1 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL `http://www.springerlink.com/content/978-3-642-33314-9`.

Ehrig:2012:GTI

[621] Hartmut Ehrig, Gregor Engels, Hans-Jörg Kreowski, and Grzegorz Rozenberg, editors. *Graph Transformations: 6th International Conference, ICGT 2012, Bremen, Germany, September 24–29, 2012. Proceedings*, volume 7562 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33653-1 (print), 3-642-33654-X (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL `http://www.springerlink.com/content/978-3-642-33654-6`.

Ravenscroft:2012:CLC

[622] Andrew Ravenscroft, Stefanie Lindstaedt, Carlos Delgado Kloos, and Davinia Hernández-Leo, editors. *21st Century Learning for 21st Century Skills: 7th European Conference of Technology Enhanced Learning, EC-TEL 2012, Saarbrücken, Germany, September 18–21, 2012. Proceedings*, volume 7563 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33262-5 (print), 3-642-33263-3 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL `http://www.springerlink.com/content/978-3-642-33263-0`.

Cortesi:2012:CIS

[623] Agostino Cortesi, Nabendu Chaki, Khalid Saeed, and Sławomir Wierzchoń, editors. *Computer Information Systems and Industrial Management: 11th IFIP TC 8 International Conference, CISIM 2012, Venice, Italy, September 26–28, 2012. Proceedings*, volume 7564 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33259-5 (print), 3-642-33260-9 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL `http://www.springerlink.com/content/978-3-642-33260-9`.

Ganascia:2012:DSI

[624] Jean-Gabriel Ganascia, Philippe Lenca, and Jean-Marc Petit, editors. *Discovery Science: 15th International Conference, DS 2012, Lyon, France, October 29–31, 2012. Proceedings*, volume 7569 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33491-1 (print), 3-642-33492-X (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL `http://www.springerlink.com/content/978-3-642-33492-4`.

Durrleman:2012:STI

[625] Stanley Durrleman, Tom Fletcher, Guido Gerig, and Marc Niethammer, editors. *Spatio-temporal Image Analysis for Longitudinal and Time-Series Image Data: Second International Workshop, STIA 2012, Held in Conjunction with MICCAI 2012, Nice, France, October 1, 2012. Proceedings*, volume 7570 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33554-3 (print), 3-642-33555-1 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL `http://www.springerlink.com/content/978-3-642-33555-6`.

Fitzgibbon:2012:CVEa

[626] Andrew Fitzgibbon, Svetlana Lazebnik, Pietro Perona, Yoichi Sato, and Cordelia Schmid, editors. *Computer Vision — ECCV 2012: 12th European Conference on Computer Vision, Florence, Italy, October 7–13, 2012, Proceedings, Part I*, volume 7572 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33717-1 (print), 3-642-33718-X (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL `http://www.springerlink.com/content/978-3-642-33718-5`.

Fitzgibbon:2012:CVEb

[627] Andrew Fitzgibbon, Svetlana Lazebnik, Pietro Perona, Yoichi Sato, and Cordelia Schmid, editors. *Computer Vision — ECCV 2012: 12th European Conference on Computer Vision, Florence, Italy, October 7–13, 2012, Proceedings, Part III*, volume 7574 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33711-2 (print), 3-642-33712-0 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL `http://www.springerlink.com/content/978-3-642-33712-3`.

Fitzgibbon:2012:CVEc

[628] Andrew Fitzgibbon, Svetlana Lazebnik, Pietro Perona, Yoichi Sato, and Cordelia Schmid, editors. *Computer Vision — ECCV 2012: 12th Eu-*

ropean Conference on Computer Vision, Florence, Italy, October 7–13, 2012, Proceedings, Part VII, volume 7578 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33785-6 (print), 3-642-33786-4 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL `http://www.springerlink.com/content/978-3-642-33786-4`.

Marquez:2012:CGX

[629] Alberto Márquez, Pedro Ramos, and Jorge Urrutia, editors. *Computational Geometry: XIV Spanish Meeting on Computational Geometry, EGC 2011, Dedicated to Ferran Hurtado on the Occasion of His 60th Birthday, Alcalá de Henares, Spain, June 27–30, 2011, Revised Selected Papers*, volume 7579 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34190-X (print), 3-642-34191-8 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL `http://www.springerlink.com/content/978-3-642-34191-5`.

Cranefield:2012:ABS

[630] Stephen Cranefield and Insu Song, editors. *Agent Based Simulation for a Sustainable Society and Multi-agent Smart Computing: International Workshops, PRIMA 2011, Wollongong, Australia, November 14, 2011 Revised Selected Papers*, volume 7580 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-35611-7 (print), 3-642-35612-5 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL `http://www.springerlink.com/content/978-3-642-35612-4`.

Fusiello:2012:CVEa

[631] Andrea Fusiello, Vittorio Murino, and Rita Cucchiara, editors. *Computer Vision — ECCV 2012. Workshops and Demonstrations: Florence, Italy, October 7–13, 2012, Proceedings, Part I*, volume 7583 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33862-3 (print), 3-642-33863-1 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL `http://www.springerlink.com/content/978-3-642-33863-2`.

Fusiello:2012:CVEb

[632] Andrea Fusiello, Vittorio Murino, and Rita Cucchiara, editors. *Computer Vision — ECCV 2012. Workshops and Demonstrations: Florence, Italy, October 7–13, 2012, Proceedings, Part II*, volume 7584 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33867-4 (print), 3-642-33868-2 (e-book).

ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL `http://www.springerlink.com/content/978-3-642-33868-7`.

Fusiello:2012:CVEc

[633] Andrea Fusiello, Vittorio Murino, and Rita Cucchiara, editors. *Computer Vision — ECCV 2012. Workshops and Demonstrations: Florence, Italy, October 7–13, 2012, Proceedings, Part III*, volume 7585 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33884-4 (print), 3-642-33885-2 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL `http://www.springerlink.com/content/978-3-642-33885-4`.

France:2012:MDE

[634] Robert B. France, Jürgen Kazmeier, Ruth Breu, and Colin Atkinson, editors. *Model Driven Engineering Languages and Systems: 15th International Conference, MODELS 2012, Innsbruck, Austria, September 30–October 5, 2012. Proceedings*, volume 7590 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33665-5 (print), 3-642-33666-3 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL `http://www.springerlink.com/content/978-3-642-33666-9`.

Paoli:2012:SOC

[635] Flavio De Paoli, Ernesto Pimentel, and Gianluigi Zavattaro, editors. *Service-Oriented and Cloud Computing: First European Conference, ESOCC 2012, Bertinoro, Italy, September 19–21, 2012. Proceedings*, volume 7592 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33426-1 (print), 3-642-33427-X (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL `http://www.springerlink.com/content/978-3-642-33427-6`.

Bolc:2012:CVG

[636] Leonard Bolc, Ryszard Tadeusiewicz, Leszek J. Chmielewski, and Konrad Wojciechowski, editors. *Computer Vision and Graphics: International Conference, ICCVG 2012, Warsaw, Poland, September 24–26, 2012. Proceedings*, volume 7594 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33563-2 (print), 3-642-33564-0 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL `http://www.springerlink.com/content/978-3-642-33564-8`.

Jurdzinski:2012:FMA

[637] Marcin Jurdziński and Dejan Ničković, editors. *Formal Modeling and Analysis of Timed Systems: 10th International Conference, FORMATS 2012, London, UK, September 18–20, 2012. Proceedings*, volume 7595 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33364-8 (print), 3-642-33365-6 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL `http://www.springerlink.com/content/978-3-642-33365-1`.

Richa:2012:SSS

[638] Andréa W. Richa and Christian Scheideler, editors. *Stabilization, Safety, and Security of Distributed Systems: 14th International Symposium, SSS 2012, Toronto, Canada, October 1–4, 2012. Proceedings*, volume 7596 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33535-7 (print), 3-642-33536-5 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL `http://www.springerlink.com/content/978-3-642-33536-5`.

Coello:2012:AIS

[639] Carlos A. Coello Coello, Julie Greensmith, Natalio Krasnogor, Pietro Liò, Giuseppe Nicosia, and Mario Pavone, editors. *Artificial Immune Systems: 11th International Conference, ICARIS 2012, Taormina, Italy, August 28–31, 2012. Proceedings*, volume 7597 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33756-2 (print), 3-642-33757-0 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL `http://www.springerlink.com/content/978-3-642-33757-4`.

Levine:2012:MPM

[640] Joshua A. Levine, Rasmus R. Paulsen, and Yongjie Zhang, editors. *Mesh Processing in Medical Image Analysis 2012: MICCAI 2012 International Workshop, MeshMed 2012, Nice, France, October 1, 2012. Proceedings*, volume 7599 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-33462-8 (print), 3-642-33463-6 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ???? URL `http://www.springerlink.com/content/978-3-642-33463-4`.