

A Complete Bibliography of *ACM Transactions on
Modeling and Performance Evaluation of Computing
Systems (TOMPECS)*

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA

Tel: +1 801 581 5254
FAX: +1 801 581 4148

E-mail: beebe@math.utah.edu, beebe@acm.org,
beebe@computer.org (Internet)
WWW URL: <http://www.math.utah.edu/~beebe/>

02 March 2022
Version 1.05

Title word cross-reference

3 [YLL20]. **d** [HV19, VV19]. **N** [WZK⁺19].

-Choices [VV19]. **-Tier** [WZK⁺19].

1 [GHV20].

802.15.4 [AM17]. **8th** [KS18].

Accelerators [GLL⁺21]. **Access** [NCF⁺17].
Access-Time-Aware [NCF⁺17]. **Accuracy**
[MIS21]. **ACM** [KS18]. **ACM/SPEC**
[KS18]. **across** [LKC⁺21]. **Action**
[KHN⁺18]. **Adaptive** [MSN⁺21].

Admission [RAMB20]. **Ads** [VGCL20].
Advance [SS17]. **Advertisements**
[VGCL20]. **Affecting** [WLU18]. **Algorithm**
[VV19]. **Algorithms** [NCF⁺17, QE21].
Allocating [WDGC19]. **Allocation**
[MRS20, RAMB20, SSB⁺20, TMASA16,
WZK⁺19]. **Allocations** [FPW17]. **Amazon**
[WLU18]. **AMIR** [KKR19]. **Analysis**
[CCH⁺16, DGRL16, DWS17, EJ21,
FGK⁺21, FGRT16, GLM16, LRS18,
LLW⁺19, PFK18, PPP⁺17, PTA⁺20,
RBL20, SKV21, WLU18, XLT16]. **Analytic**
[AM20, KKR19, YMRS16]. **Answer**
[KSM⁺17]. **App** [PPP⁺17]. **Application**
[IADB19, PTA⁺20, SSB⁺20, WZK⁺19].
Application- [SSB⁺20]. **Applications**

- [DWS17, DD17, DD18, FA19, GHV20, MRH18, PAE \ddagger 16, ZWHD16].
- Apportionment** [VNTA16]. **Approach** [GLM16, SSM20]. **Approximation** [JNT18]. **Approximations** [IAV16]. **AQM** [DGRL16]. **Architecture** [MRH18]. **Architectures** [MRH18]. **ARM** [AFGR18]. **ARM-based** [AFGR18]. **Arrivals** [WXL \ddagger 19]. **Attacks** [GG21]. **Attribution** [NWK \ddagger 16]. **Auto** [NXL17, PAE \ddagger 16]. **Auto-Scaling** [NXL17, PAE \ddagger 16]. **Automatic** [AM20]. **Autoscalers** [IAEH \ddagger 18]. **Aware** [CZCC19, CDPN21, MC16, NCF \ddagger 17, SSB \ddagger 20].
- Balancing** [YYX \ddagger 19]. **Bargaining** [LLTL18]. **Based** [AM17, DD17, FGK \ddagger 21, LLTL18, NWK \ddagger 16, NASD21, RAMB20, VV19, YLN \ddagger 17, AFGR18]. **Batched** [GLL \ddagger 21]. **Beacon** [AM17]. **Beacon-Enabled** [AM17]. **Behavioral** [AM17]. **Benefits** [LB16]. **Big** [MRH18]. **Block** [LSC \ddagger 20]. **Bloom** [FB16]. **Bounded** [SSM20]. **Broadcast** [SLH19]. **Bundle** [QE21]. **Burstiness** [KKR19]. **Buses** [CCH \ddagger 16]. **Buying** [YLN \ddagger 17].
- Cache** [FA19, JNT18, NCF \ddagger 17]. **Caches** [LB16]. **Caching** [DMD \ddagger 21, GLM16, QE21]. **Calls** [CCY \ddagger 18]. **Capacity** [FPW17, LS17]. **Case** [NT16]. **Center** [CZCC19, EJ21]. **Centers** [FGRT16, ZRWL16]. **Centric** [CCY \ddagger 18]. **Chains** [EJ21]. **Challenges** [HBK \ddagger 18]. **Channel** [RAMB20]. **Characteristics** [BCG19, YLL20, ZWHD16]. **Characterization** [MRH18, NASD21]. **Chief** [Gol21]. **Chip** [LS17]. **Choices** [VV19, YYX \ddagger 19]. **Chunked** [SLH19]. **Churn** [WXL \ddagger 19]. **Class** [AFGR18, GHV20]. **Cloud** [AAA21, AAL \ddagger 17, CPFC20, DD17, GSS16, HBK \ddagger 18, JSW17, LZL \ddagger 19, LLTL18, MC16, NWK \ddagger 16, PAE \ddagger 16, WZK \ddagger 19, WDGC19, YLN \ddagger 17, ZLW18]. **Cloud-Based** [DD17]. **CloudHeat** [CZL \ddagger 18]. **Clouds** [JLZ20]. **Clustering** [LLW \ddagger 19, VS19]. **Cocoa** [YLN \ddagger 17]. **Coded** [GG21]. **Codes** [CCH \ddagger 16]. **Coding** [CCH \ddagger 16, LRS18, SLH19]. **Collection** [VV19]. **Colocation** [ZRWL16]. **Colored** [AM17]. **Combinatorial** [EJ21]. **Combined** [LS17]. **Community** [RSS18]. **Comparative** [LZL \ddagger 19]. **Competing** [NBP19]. **Completeness** [GHV20]. **Complex** [IAEH \ddagger 18]. **Compression** [FB16]. **Computing** [DD17, FGRT16, LLTL18, SKV21, WJW19, WDGC19, YLN \ddagger 17, ZLW18]. **Concurrency** [LS17]. **Conference** [KS18]. **Configuration** [BJLM16]. **Congestion** [DGRL16]. **Considerations** [VNTA16]. **Consistent** [WXL \ddagger 19]. **Contact** [BBPC17]. **Container** [YLN \ddagger 17]. **Container-Based** [YLN \ddagger 17]. **Content** [GM19, NXL17, PFK18]. **Contention** [MC16]. **Contention-Aware** [MC16]. **Control** [CCY \ddagger 18, DGRL16, RAMB20]. **Control-Theoretic** [DGRL16]. **Controlling** [FPW17]. **Convergence** [JNT18]. **Copula** [DWS17]. **Core** [LS17, LCD \ddagger 17, MRH18, NSMA19]. **Correlated** [NT16]. **Cost** [WLU18]. **Cost-Effective** [WLU18]. **Costs** [NWK \ddagger 16]. **Covert** [JNT21]. **Crowd** [NTLM18]. **Crowdsourcing** [XLT16]. **CTMCs** [SSM20]. **CTMDPs** [SSM20]. **Cycle** [JNT21]. **Cycling** [BBPC17].
- D** [YLL20]. **DAG** [FGK \ddagger 21]. **DAG-Based** [FGK \ddagger 21]. **Darknets** [RS16]. **Data** [CZCC19, CDPN21, EJ21, FGRT16, IADB19, KSM \ddagger 17, LRS18, LKC \ddagger 21, MSN \ddagger 21, MRH18, WCKN18, ZRWL16]. **Data-Intensive** [KSM \ddagger 17, MSN \ddagger 21]. **Databases** [MC16]. **Datacenter** [CZL \ddagger 18]. **Dead** [RS16]. **Dealing** [RS16]. **Decisions** [RAMB20]. **Deferrals** [FPW17]. **Deficit**

- [DD18]. **Delay** [SLH19]. **Demand** [GM19, WDGC19, ZRWL16, ZLW18]. **Demands** [WCKN18]. **Dependability** [HBK⁺18]. **Dependence** [DWS17]. **Derivation** [AM20]. **Design** [HBK⁺18, LS17, LKC⁺21, XLT16]. **Detecting** [KSSO16]. **Detection** [PPIR19]. **discharge** [RBL20]. **Discrete** [GLL⁺21]. **Discrete-Time** [GLL⁺21]. **Discriminatory** [IAV16]. **Disk** [CSS⁺18]. **Dissemination** [NT16]. **Distributed** [FGK⁺21, GG21, LSC⁺20, QE21, WXL⁺19, ZRWL16]. **Distributions** [AP16]. **Diverse** [LKC⁺21]. **DTNs** [NBP19]. **Duty** [BBPC17]. **Dynamic** [DD18, GHV20, MRS20, NT16, RAMB20, TMASA16, YLN⁺17]. **Dynamics** [LZW⁺16].
- EC2** [WLU18]. **Economics** [AAL⁺17]. **Ecosystem** [PPP⁺17]. **Edge** [NMK21]. **Editor** [Gol21]. **Editor-in-Chief** [Gol21]. **Effect** [GM19, LS17]. **Effective** [WLU18]. **Effectiveness** [CPFC20]. **Efficiency** [DD18, LZL⁺19]. **Efficient** [CZL⁺18, JSW17, LSC⁺20, LKC⁺21, RS16, WJW19, YYX⁺19]. **Embedded** [NSMA19]. **Emergency** [ZRWL16, ZLW18]. **Emerging** [HBK⁺18]. **Empirical** [WLU18]. **Employing** [LB16]. **Enabled** [AM17]. **End** [SSB⁺20]. **End-Host** [SSB⁺20]. **Ends** [RS16]. **Endurance** [VV19]. **Energy** [HPK16, LCD⁺17, RBL20, VNTA16]. **EnergyQARE** [CZCC19]. **Engagement** [PTA⁺20]. **Engineering** [KS18]. **Ensuring** [PFK18]. **Enterprise** [SSB⁺20]. **Environment** [MSN⁺21]. **Environments** [MC16]. **EP** [HPK16]. **EQ** [CCY⁺18]. **Estimating** [BJLM16]. **Estimation** [AP16, VS19]. **Evaluating** [LS17, PPIR19]. **Evaluation** [IAEH⁺18, KKRK19, LKC⁺21, MH20, PAE⁺16, TMASA16]. **Expansion** [YYX⁺19]. **Experiences** [KHN⁺18]. **Experimental** [IAEH⁺18]. **Experiments** [LLW⁺19]. **Exploit** [GLL⁺21]. **Exploring** [YLL20].
- Fair** [NWK⁺16]. **Fairness** [VNTA16]. **False** [FB16]. **False-Positive** [FB16]. **Fast** [LCD⁺17]. **Features** [WLU18]. **Field** [LRS18, LXG⁺18]. **FIFO** [JNT21]. **File** [NT16, QE21, SLH19]. **File-Bundle** [QE21]. **File-Transfer** [SLH19]. **Filters** [FB16]. **First** [DD18]. **Fixed** [NBP19]. **Flash** [VV19]. **Flash-Based** [VV19]. **Flow** [AP16, Var18]. **Fog** [FGRT16]. **Forbidden** [CCH⁺16]. **Fork** [MRS20]. **Framework** [FGRT16, LXW⁺17, PAE⁺16, PPIR19, WDGC19, YMRS16]. **Function** [EJ21]. **Future** [LCD⁺17].
- G** [GHV20]. **Game** [LLTL18]. **Game-Based** [LLTL18]. **Games** [LXG⁺18, SS17]. **Garbage** [VV19]. **Generalization** [FA19, QE21]. **Generic** [EJ21]. **Geo** [ZRWL16]. **Geo-Distributed** [ZRWL16]. **Geographic** [Var18]. **Go** [PTA⁺20]. **GPSSonflow** [Var18]. **Graph** [RSS18]. **Graphs** [NT16]. **Grid** [CZCC19]. **Group** [YLN⁺17]. **Guarantees** [LLTL18].
- Harvesting** [CZL⁺18]. **HDD** [YMRS16]. **Heat** [CZL⁺18]. **High** [CCH⁺16]. **High-Speed** [CCH⁺16]. **hop** [NBP19]. **Horizontal** [JLZ20]. **Host** [NASD21, SSB⁺20]. **Host-Based** [NASD21]. **Hosting** [NMK21]. **HPC** [CPFC20]. **HTTP** [CSS⁺18]. **Hypervisor** [NASD21]. **Hysteresis** [DMD⁺21].
- ICPE** [KS18]. **Identical** [HV19]. **Identical/Independent** [HV19]. **Identification** [GG21]. **IEEE** [AM17]. **iModel** [AM20]. **Impact** [PTA⁺20]. **Impacts** [BBPC17]. **Improving** [KKR19]. **In-Memory** [MC16]. **Incentive** [NBP19, VNTA16, XLT16, ZRWL16]. **Increasing** [CSS⁺18]. **Incremental** [YYX⁺19]. **Independent**

- [HV19, JNT18, NT16]. **Inference** [WCKN18]. **Insertion** [LXW⁺17]. **Instance** [WLU18]. **Intensive** [KSM⁺17, MSN⁺21]. **Interaction** [VGCL20]. **Interface** [LKC⁺21]. **International** [KS18]. **Internet** [BCG19]. **Introduced** [LLW⁺19]. **Introduction** [MH20, TW16]. **Investigating** [BCG19]. **IOTA** [FGK⁺21]. **Issue** [KS18]. **Item** [NTLM18].
- Join** [MRS20]. **Joint** [AAA21].
- Large** [LRS18, SKV21, WJW19, ZWHD16]. **Large-Scale** [WJW19, ZWHD16, SKV21]. **Largest** [DD18]. **Latency** [JSW17]. **Ledger** [FGK⁺21]. **Level** [LZL⁺19, MRH18]. **Limit** [JLZ20]. **Linear** [SLH19]. **Links** [NT16]. **List** [Abi18, Abo17, Ano16, BW19]. **Little** [MRH18]. **Load** [YYX⁺19]. **Load-Balancing** [YYX⁺19]. **Lose** [BBPC17]. **Low** [DGRL16]. **Low-Priority** [DGRL16]. **LRU** [FA19, JNT18]. **Lyapunov** [SSM20].
- M** [GHV20]. **M/G/1** [GHV20]. **Machine** [NASD21]. **Malicious** [GG21]. **Managed** [LB16]. **Management** [CDPN21, LSC⁺20, LCD⁺17, YMRS16]. **Managing** [HPPQ19, KSM⁺17]. **Mansard** [MIS21]. **Many** [LS17, LCD⁺17]. **Many-Core** [LS17, LCD⁺17]. **Mapping** [CDPN21, NSMA19]. **MapReduce** [PPIR19]. **Market** [CZL⁺18]. **Markov** [DWS17]. **Mean** [LRS18, LXG⁺18]. **Mean-Field** [LRS18]. **Measurement** [PPP⁺17]. **Measurements** [KHN⁺18]. **Mechanism** [CZL⁺18, CCY⁺18, ZRWL16, ZLW18]. **Mechanisms** [CSS⁺18, PPIR19, XLT16]. **Memory** [CDPN21, LS17, MC16]. **Message** [Gol21]. **Method** [KKR19]. **Methodology** [WCKN18]. **Metric** [HBK⁺18]. **Mining** [NASD21]. **Mobile** [PPP⁺17]. **Mode** [AM17]. **Model** [AM17, MIS21, RBL20].
- Modeling** [CPFC20, GLL⁺21, LLW⁺19, MSN⁺21, PPP⁺17, VGCL20]. **Models** [AM20, BJLM16]. **Modulated** [DWS17]. **Monitoring** [IADB19]. **Multi** [NSMA19]. **Multi-Core** [NSMA19]. **Multithreaded** [SKV21].
- Net** [AM17]. **Network** [LZL⁺19, LZW⁺16, SLH19]. **Network-Level** [LZL⁺19]. **Networks** [BJLM16, BBPC17, CPFC20, EJ21, LXG⁺18, PFK18, SSB⁺20]. **Neural** [CPFC20]. **NFV** [GLL⁺21]. **Nice** [Var18]. **Node** [GG21]. **Non** [WXL⁺19]. **Non-Stationary** [WXL⁺19]. **Nudge** [LXG⁺18].
- Obtaining** [KSM⁺17]. **Offloading** [FGRT16]. **Offs** [HPK16]. **On-Demand** [WDGC19]. **Online** [CZL⁺18, CDPN21, KSM⁺17, NSMA19, QE21, VGCL20, XLT16, ZLW18]. **OpenACC** [LB16]. **OpenFOAM** [LXW⁺17]. **Opportunistic** [BBPC17, PFK18]. **Opportunities** [LB16]. **Optane** [YLL20]. **Optimal** [QE21, SLH19, Var18]. **Optimality** [DD18]. **Optimization** [AAA21, FB16, VGCL20]. **Optimizing** [WZK⁺19]. **Output** [KKRK19]. **Overlap** [CCH⁺16].
- Pacing** [SSB⁺20]. **Packet** [LLW⁺19]. **Page** [TMASA16]. **PageRank** [VS19]. **Paper** [KS18]. **Parallel** [KKRK19, WJW19, ZWHD16]. **Parameterized** [GHV20]. **Participation** [CZCC19]. **Paths** [BCG19]. **Peak** [NWK⁺16]. **Peak-Based** [NWK⁺16]. **PEAS** [PAEÅ⁺16]. **Performance** [AM20, FGK⁺21, GLM16, HPK16, HV19, HBK⁺18, IAEH⁺18, IADB19, KKRK19, KS18, LLTL18, MSN⁺21, NBP19, PAEÅ⁺16, SKV21, TMASA16, YLL20]. **Periodic** [WXL⁺19]. **Persistent** [PFK18].

Personalized [VS19]. **Petri** [AM17]. **PETSc** [LXW⁺17]. **Placement** [MC16, VGCL20]. **Poisson** [DWS17]. **Policies** [GHV20, VNTA16]. **Policy** [FA19]. **Pollution** [GG21]. **Positioning** [Var18]. **Positive** [FB16]. **Power** [CPFC20, KHN⁺18, LCD⁺17]. **Prefetching** [CSS⁺18]. **PREFiguRE** [YMRS16]. **Pricing** [NWK⁺16]. **Prioritization** [DD18]. **Priority** [DGRL16, GHV20]. **Probability** [BJLM16, FB16]. **Process** [BBPC17, DWS17]. **Processes** [JNT18]. **Processing** [GLL⁺21]. **Processor** [IAV16]. **Procurement** [WLW18]. **Production** [IADB19]. **Provision** [CZCC19, RAMB20]. **Provisioning** [KKRK19, MSN⁺21]. **Public** [JLZ20].

QEST [MH20]. **QMLE** [WCKN18]. **QoE** [CCY⁺18]. **QoE-Centric** [CCY⁺18]. **QoS** [CZCC19, PTA⁺20, RAMB20]. **QoS-Aware** [CZCC19]. **Quality** [AAA21, KSM⁺17, NTLM18]. **Quantifying** [HBK⁺18]. **Quantitative** [LZL⁺19, MH20]. **Queue** [HPK16, IAV16]. **Queueing** [RBL20, WCKN18]. **Queues** [GHV20, MRS20].

Random [SLH19]. **RAPL** [KHN⁺18]. **Rate** [CCH⁺16, CCY⁺18]. **Reachability** [SSM20]. **Real** [DD17, DD18]. **Real-Time** [DD17, DD18]. **Recommendations** [GM19, KSSO16]. **Reducing** [KKR19]. **Reduction** [JSW17]. **Redundancy** [HV19, JSW17]. **Regulation** [CZCC19]. **Reinforcing** [MIS21]. **Relays** [NBP19]. **Reliability** [EJ21]. **Reliable** [NSMA19]. **Renting** [NMK21]. **Replacement** [FA19]. **Replicas** [HV19]. **Replication** [LRS18, LSC⁺20, NXL17, WJW19]. **Reprioritization** [DGRL16]. **Reputation** [XLT16]. **Request** [JNT18]. **Reservation** [SS17]. **Reserve** [CZCC19]. **Resource** [MSN⁺21, MRS20, NXL17, SSB⁺20, WLW18, WZK⁺19]. **Resources** [NMK21]. **Response** [HPPQ19, ZRWL16, ZLW18]. **Responsiveness** [KKR19]. **Reviewers** [Abi18, Abo17, Ano16, BW19]. **Reward** [NBP19]. **Role** [DMD⁺21, VS19]. **Roofline** [MIS21]. **Roofs** [MIS21]. **Routers** [LLW⁺19]. **Routing** [RS16, YYX⁺19]. **Sampled** [AP16]. **Sampling** [WXL⁺19]. **Scalability** [WZK⁺19]. **Scalable** [SSB⁺20]. **Scale** [AFGR18, WJW19, ZWHD16, SKV21]. **Scale-Out** [AFGR18]. **Scale-Up** [AFGR18]. **Scaling** [JLZ20, NXL17, PAE⁺16]. **Scheduling** [DD17, GSS16, LLTL18, SLH19]. **Scheme** [FGRT16, NBP19]. **Scoring** [NTLM18]. **Searching** [RSS18]. **Section** [MH20]. **Selected** [KS18]. **Selecting** [NTLM18]. **Self** [LZW⁺16, RBL20]. **Self-discharge** [RBL20]. **Self-Similarity** [LZW⁺16]. **Semi** [NSMA19]. **Series** [NT16]. **Server** [AFGR18, CSS⁺18, JNT21, MRH18, WDGC19]. **Server-Class** [AFGR18]. **Service** [CZCC19, EJ21, FPW17, NMK21, WCKN18]. **Services** [KSM⁺17, LZL⁺19, WDGC19]. **Serving** [GM19]. **Sharding** [HPPQ19]. **Sharing** [CDPN21, IAV16]. **Sharing-Aware** [CDPN21]. **Should** [PTA⁺20]. **Similarity** [LZW⁺16]. **Simple** [LKC⁺21]. **Simulation** [ZWH16]. **Single** [JNT21, RSS18]. **Smart** [CZCC19]. **Snooze** [BBPC17]. **Social** [LZW⁺16]. **Societal** [LXG⁺18]. **SoCs** [AFGR18]. **Soft** [DD17, DD18, WZK⁺19]. **Software** [LB16]. **Software-Managed** [LB16]. **Sojourn** [IAV16]. **Some** [GHV20]. **SORT** [NSMA19]. **Sparse** [NXL17]. **SPEC** [KS18]. **Special** [KS18, MH20]. **Speed** [CCH⁺16]. **Sponsored** [KSSO16]. **Spot** [WLW18, WDGC19]. **SSDs** [TMASA16, VV19]. **Stability** [PFK18]. **Stall** [AAA21]. **Stationary**

- [JNT18, WXL⁺19]. **Statistical**
 [WCKN18, ZWHD16]. **Stay** [PTA⁺20].
Stealing [JNT21, SKV21]. **Stochastic**
 [PFK18]. **Storage**
 [GG21, LRS18, LZL⁺19, LSC⁺20, LKC⁺21,
 NXL17, RBL20, Var18, YLL20]. **Storms**
 [GSS16]. **Straggler** [PPIR19, WJW19].
Strategies
 [PAEĀ⁺16, TMASA16, YLN⁺17].
Streaming
 [AAA21, CSS⁺18, FA19, IADB19]. **Streams**
 [GSS16]. **Structure** [DWS17]. **Structured**
 [FB16]. **Study**
 [AFGR18, LZL⁺19, WZK⁺19]. **Support**
 [DD17]. **Synchronization** [KKRK19].
System [IADB19, MRH18]. **Systems**
 [DMD⁺21, DD17, GG21, GLM16, JSW17,
 KKRK19, LRS18, LXG⁺18, LCD⁺17, MH20,
 NSMA19, NXL17, RBL20, WXL⁺19, XLT16].
Tails [HPPQ19]. **Task** [NSMA19].
Taxonomy [HBK⁺18]. **Techniques**
 [JSW17]. **Technology** [YLL20]. **Temporal**
 [DWS17, VGCL20]. **Tenants** [NWK⁺16].
Theoretic [DGRL16]. **Thread** [CDPN21].
Throughput [CSS⁺18]. **Tier** [WZK⁺19].
Time [DD17, DD18, GLL⁺21, HPPQ19,
 IAV16, NCF⁺17, SSM20, WDGC19].
Time-Bounded [SSM20]. **Top** [NTLM18].
Top-Quality [NTLM18]. **Trace** [NASD21].
Trade [HPK16]. **Trade-Offs** [HPK16].
Traffic [AP16, YYX⁺19]. **Transfer**
 [LKC⁺21, SLH19]. **Transmission**
 [BJLM16]. **Tree** [FB16]. **Tree-Structured**
 [FB16]. **Truthful** [ZRWL16]. **TTL** [JNT18].
Two [GHV20, NBP19]. **Two-Class**
 [GHV20]. **Two-hop** [NBP19].
Unified [GLM16]. **Unit** [CDPN21].
Unknown [GM19]. **User**
 [DD18, PTA⁺20, SSB⁺20, VGCL20].
User-aware [SSB⁺20]. **Using**
 [CDPN21, FPW17, KHN⁺18, NASD21,
 SSB⁺20, ZWHD16, SLH19].
Validating [ZWHD16]. **Variability**
 [FPW17]. **Versus** [LRS18]. **via**
 [HPK16, PFK18, YYX⁺19]. **VidCloud**
 [AAA21]. **Video**
 [AAA21, CSS⁺18, FA19, NXL17]. **Virtual**
 [NASD21]. **Virtualized** [MSN⁺21]. **VoIP**
 [CCY⁺18]. **vs** [AFGR18].
Wireless [BJLM16]. **Work** [SKV21].
Workflows [IAEH⁺18]. **Workload**
 [MC16, NASD21]. **Workloads**
 [AFGR18, MSN⁺21]. **Worth** [CPFC20].
Xpoint [YLL20].
YouTube [PTA⁺20].
- ## References
- Al-Abbasi:2021:VJS**
- [AAA21] Abubakr O. Al-Abbasi and Vaneet Aggarwal. VidCloud: Joint stall and quality optimization for video streaming over cloud. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 5(4):17:1–17:32, March 2021. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://doi.acm.org/doi/10.1145/3442187>.
- Anselmi:2017:EC**
- [AAL⁺17] Jonatha Anselmi, Danilo Ardagna, John C. S. Lui, Adam Wierman, Yunjian Xu, and Zichao Yang. The economics of the cloud. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 2(4):18:1–18:??, December 2017. CODEN ????

- [AM17] ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3086574>. [AM17]
- Abid:2018:LR**
- [Abi18] Amine Abid. List of reviewers. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 3(4):21:1–21:??, September 2018. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3271430>. [AM20]
- Abouzeid:2017:LR**
- [Abo17] Alhussein Abouzeid. List of reviewers. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 2(4):23:1–23:??, December 2017. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3162084>. [AP16]
- Azimi:2018:SVS**
- [AFGR18] Reza Azimi, Tyler Fox, Wendy Gonzalez, and Sherief Reda. Scale-out vs scale-up: A study of ARM-based SoCs on server-class workloads. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 3(4):18:1–18:??, September 2018. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3232162>. [AP16]
- Alves:2017:BMI**
- Renan C. A. Alves and Cíntia B. Margi. Behavioral model of IEEE 802.15.4 beacon-enabled mode based on colored Petri net. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 2(4):20:1–20:??, December 2017. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3115389>.
- Awad:2020:IAD**
- Mahmoud Awad and Daniel A. Menascé. iModel: Automatic derivation of analytic performance models. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 5(2):7:1–7:30, April 2020. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://doi/10.1145/3374220>.
- Anonymous:2016:LR**
- Anonymous. List of reviewers. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 1(4):20:1–20:2, September 2016. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <http://dl.acm.org/citation.cfm?id=2989212>.
- Antunes:2016:EFD**
- Nelson Antunes and Vladas Pipi-

- ras. Estimation of flow distributions from sampled traffic. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 1(3):11:1–11:28, May 2016. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <http://dl.acm.org/citation.cfm?id=2891106>.
- Biondi:2017:WYL**
- [BBPC17] Elisabetta Biondi, Chiara Boldrini, Andrea Passarella, and Marco Conti. What you lose when you snooze: How duty cycling impacts on the contact process in opportunistic networks. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 2(4):22:1–22:??, December 2017. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3149007>.
- Bakhshaliyev:2019:ICI**
- [BCG19] Khalid Bakhshaliyev, Muhammed A⁶H⁺16 dullah Canbaz, and Mehmet Hadi Gunes. Investigating characteristics of Internet paths. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 4(3):16:1–16:??, September 2019. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3342286>.
- [BJLM16] Paola Bermolen, Matthieu Jonckheere, Federico Larroca, and Pascal Moyal. Estimating the transmission probability in wireless networks with configuration models. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 1(2):9:1–9:23, June 2016. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <http://dl.acm.org/citation.cfm?id=2858795>.
- Bermolen:2016:ETP**
- [BW19] Sem Borst and Carey Williamson. List of reviewers. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 4(4):23:1–23:2, December 2019. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://doi.acm.org/abs/10.1145/3369841>.
- Borst:2019:LR**
- [Chang:2016:CRA] Cheng-Shang Chang, Jay Cheng, Tien-Ke Huang, Duan-Shin Lee, and Cheng-Yu Chen. Coding rate analysis of forbidden overlap codes in high-speed buses. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 1(2):8:1–8:25, June 2016. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <http://dl.acm.org/citation.cfm?id=2846091>.
- Chang:2016:CRA**

- Chu:2018:EQC**
- [CCY⁺18] Cing-Yu Chu, Shannon Chen, Yu-Chuan Yen, Su-Ling Yeh, Hao-Hua Chu, and Polly Huang. EQ: A QoE-centric rate control mechanism for VoIP calls. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 3(1):4:1–4:??, February 2018. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3170430>.
- Cruz:2021:OTD**
- [CDPN21] Eduardo H. M. Cruz, Matthias Diener, Laércio L. Pilla, and Philippe O. A. Navaux. Online thread and data mapping using a sharing-aware memory management unit. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 5(4):16:1–16:28, March 2021. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/doi/10.1145/3433687>.
- Costa:2020:ENN**
- [CPFC20] Georges DA Costa, Jean-Marc Pierson, and Leandro Fontoura-Cupertino. Effectiveness of neural networks for power modeling for cloud and HPC: It’s worth it! *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 5(3):12:1–12:36, November 2020.
- Cassell:2018:DPM**
- [CSS⁺18] Benjamin Cassell, Tyler Szepesi, Jim Summers, Tim Brecht, Derek Eager, and Bernard Wong. Disk prefetching mechanisms for increasing HTTP streaming video server throughput. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 3(2):7:1–7:??, April 2018. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3164536>.
- Chen:2019:EqA**
- [CZCC19] Hao Chen, Yijia Zhang, Michael C. Caramanis, and Ayse K. Coskun. EnergyQARE: QoS-aware data center participation in smart grid regulation service reserve provision. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 4(1):2:1–2:??, March 2019. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3243172>.
- Chen:2018:CEO**
- [CZL⁺18] Shutong Chen, Zhi Zhou, Fangming Liu, Zongpeng Li, and Shaolei Ren. CloudHeat: An efficient online market mechanism for datacenter heat har-

- vesting. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 3(3):11:1–11:??, August 2018. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3199675>.
- Du:2017:SCB**
- [DD17] Yuhuan Du and Gustavo De Veciana. Scheduling for cloud-based computing systems to support soft real-time applications. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 2(3):13:1–13:??, September 2017. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3063713>.
- Du:2018:EOL**
- [DD18] Yuhuan Du and Gustavo De Veciana. Efficiency and optimality of largest deficit first prioritization: Dynamic user prioritization for soft real-time applications. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 3(3):10:1–10:??, August 2018. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3200479>.
- DeCicco:2016:CTA**
- [DGRL16] Luca De Cicco, Yixi Gong, Dario Rossi, and Emilio Leonardi.
- A control-theoretic analysis of low-priority congestion control reprioritization under AQM. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 1(4):17:1–17:33, September 2016. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <http://dl.acm.org/citation.cfm?id=2934652>.
- Domingues:2021:RHC**
- [DMD⁺21] Guilherme Domingues, Gabriel Mendonça, Edmundo De Souza E.Silva, Rosa M. M. Leão, Daniel S. Menasché, Ori Rottenstreich, Mostafa Dehghan, and Don Towsley. The role of hysteresis in caching systems. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 6(1):2:1–2:38, June 2021. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://doi.org/10.1145/3450564>.
- Dong:2017:CAT**
- [DWS17] Fang Dong, Kui Wu, and Venkatesh Srinivasan. Copula analysis of temporal dependence structure in Markov modulated Poisson process and its applications. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 2(3):14:1–14:??, September 2017. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://>

- dl.acm.org/citation.cfm?id=3089254
- Engelmann:2021:CRA**
- [EJ21] Anna Engelmann and Admela Jukan. A combinatorial reliability analysis of generic service function chains in data center networks. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 6(3):9:1–9:24, September 2021. CODEN ???? ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/doi/10.1145/3477046>.
- Friedlander:2019:GLC**
- [FA19] Eric Friedlander and Vaneet Aggarwal. Generalization of LRU cache replacement policy with applications to video streaming. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 4(3):18:1–18:??, September 2019. CODEN ???? ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3345022>.
- Fu:2016:FPP**
- [FB16] Yongquan Fu and Ernst Biersack. False-positive probability and compression optimization for tree-structured Bloom filters. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 1(4):19:1–19:39, September 2016. CODEN ????
- dl.acm.org/citation.cfm?id=2940324
- Fan:2021:PAI**
- [FGK⁺21] Caixiang Fan, Sara Ghaemi, Hamzeh Khazaei, Yuxiang Chen, and Petr Musilek. Performance analysis of the IOTA DAG-based distributed ledger. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 6(3):10:1–10:20, September 2021. CODEN ???? ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/doi/10.1145/3485188>.
- Fricker:2016:AOS**
- [FGRT16] Christine Fricker, Fabrice Guillemain, Philippe Robert, and Guilherme Thompson. Analysis of an offloading scheme for data centers in the framework of fog computing. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 1(4):16:1–16:18, September 2016. CODEN ???? ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=2950047>.
- Ferragut:2017:CVC**
- [FPW17] Andres Ferragut, Fernando Paganini, and Adam Wierman. Controlling the variability of capacity allocations using service deferrals. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems*

- (TOMPECS), 2(3):15:1–15:??, September 2017. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3086506>.
- Gaeta:2021:MNI**
- [GG21] Rossano Gaeta and Marco Grangetto. Malicious node identification in coded distributed storage systems under pollution attacks. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 6(3):12:1–12:27, September 2021. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/doi/10.1145/3491062>.
- Gupta:2020:SPD**
- [GHV20] Manu K. Gupta, N. Hemachandra, and J. Venkateswaran. Some parameterized dynamic priority policies for two-class M/G/1 queues: Completeness and applications. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 5(2):10:1–10:37, April 2020. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/doi/10.1145/3384390>.
- Geissler:2021:DTM**
- [GLL⁺21] Stefan Geissler, Stanislav Lange, Leonardo Linguaglossa, Dario Rossi, Thomas Zinner, and Tobias Hossfeld. Discrete-time modeling of NFV accelerators that exploit batched processing. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 6(3):11:1–11:27, September 2021. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/doi/10.1145/3488243>.
- Garetto:2016:UAP**
- [GLM16] Michele Garetto, Emilio Leonardi, and Valentina Martina. A unified approach to the performance analysis of caching systems. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 1(3):12:1–12:28, May 2016. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <http://dl.acm.org/citation.cfm?id=2896380>.
- Gupta:2019:ERS**
- [GM19] Samarth Gupta and Sharayu Moharir. Effect of recommendations on serving content with unknown demand. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 4(1):4:1–4:??, March 2019. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3289324>.
- Golubchik:2021:MNE**
- [Gol21] Leana Golubchik. A message from the new Editor-in-Chief.

- ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 5(4):15:1, March 2021. CODEN ??? ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/doi/10.1145/3432597>.
- Ghaderi:2016:SSS**
- [GSS16] Javad Ghaderi, Sanjay Shakkottai, and R. Srikant. Scheduling storms and streams in the cloud. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 1(4):14:1–14:28, September 2016. CODEN ??? ISSN 2376-3639 (print), 2376-3647 (electronic). URL <http://dl.acm.org/citation.cfm?id=2904080>.
- Herbst:2018:QCP**
- [HBK⁺18] Nikolas Herbst, André Bauer, Samuel Kounev, Giorgos Oikonomou, Erwin Van Eyk, George Kousiouris, Athanasia Evangelinou, Rouven Krebs, Tim Brecht, Cristina L. Abad, and Alexandru Iosup. Quantifying cloud performance and dependability: Taxonomy, metric design, and emerging challenges. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 3(4):19:1–19:??, September 2018. CODEN ??? ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3236332>.
- [HPK16] Peter G. Harrison, Naresh M. Patel, and William J. Knottenbelt. Energy–performance trade-offs via the EP queue. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 1(2):6:1–6:31, June 2016. CODEN ??? ISSN 2376-3639 (print), 2376-3647 (electronic). URL <http://dl.acm.org/citation.cfm?id=2818726>.
- Harrison:2016:EPT**
- [HPPQ19] P. G. Harrison, N. M. Patel, J. F. Pérez, and Z. Qiu. Managing response time tails by sharding. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 4(1):5:1–5:??, March 2019. CODEN ??? ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3300143>.
- Harrison:2019:MRT**
- [HV19] Tim Hellemans and Benny Van Houdt. Performance of redundancy(d) with identical/independent replicas. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 4(2):9:1–9:??, June 2019. CODEN ??? ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3316768>.
- Hellemans:2019:PRD**

- Izadpanah:2019:PAP**
- [IADB19] Ramin Izadpanah, Benjamin A. Allan, Damian Dechev, and Jim Brandt. Production application performance data streaming for system monitoring. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 4(2):8:1–8:??, June 2019. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3319498>.
- Ilyushkin:2018:EPE**
- [IAEH⁺18] Alexey Ilyushkin, Ahmed Ali-Eldin, Nikolas Herbst, André Bauer, Alessandro V. Papadopoulos, Dick Epema, and Alexandru Iosup. An experimental performance evaluation of autoscalers for complex workflows. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 3(2):8:1–8:??, April 2018. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3164537>.
- Izagirre:2016:STA**
- [IAV16] A. Izagirre, U. Ayesta, and I. M. Verloop. Sojourn time approximations for a discriminatory processor sharing queue. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 1(1):5:1–5:31, March 2016. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3239164>.
- Jiang:2020:LHS**
- [JLZ20] Qingye Jiang, Young Choon Lee, and Albert Y. Zomaya. The limit of horizontal scaling in public clouds. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 5(1):6:1–6:22, February 2020. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3373356>.
- Jiang:2018:CTA**
- [JNT18] Bo Jiang, Philippe Nain, and Don Towsley. On the convergence of the TTL approximation for an LRU cache under independent stationary request processes. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 3(4):20:1–20:??, September 2018. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3239164>.
- Jiang:2021:CCS**
- [JNT21] Bo Jiang, Philippe Nain, and Don Towsley. Covert cycle stealing in a single FIFO server. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 6(2):5:1–5:33, June 2021.

- CODEN ????, ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/doi/10.1145/3462774>.
- Joshi:2017:ERT**
- [JSW17] Gauri Joshi, Emina Soljanin, and Gregory Wornell. Efficient redundancy techniques for latency reduction in cloud systems. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 2(2):12:1–12:30, May 2017. CODEN ????, ISSN 2376-3639 (print), 2376-3647 (electronic). URL <http://dl.acm.org/citation.cfm?id=3055281>.
- Khan:2018:RAE**
- [KHN⁺18] Kashif Nizam Khan, Mikael Hirki, Tapio Niemi, Jukka K. Nurminen, and Zhonghong Ou. RAPL in action: Experiences in using RAPL for power measurements. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 3(2):9:1–9:??, April 2018. CODEN ????, ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3177754>.
- Kalbasi:2019:AAM**
- [KKR19] Amir Kalbasi, Diwakar Krishnamurthy, and Jerry Rolia. AMIR: Analytic method for improving responsiveness by reducing burstiness. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 4(4):19:1–19:36, December 2019. CODEN ????, ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3365669>.
- KhudaBukhsh:2019:PPE**
- [KKRK19] Wasir R. KhudaBukhsh, Sounak Kar, Amr Rizk, and Heinz Koeppl. Provisioning and performance evaluation of parallel systems with output synchronization. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 4(1):6:1–6:??, March 2019. CODEN ????, ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3300142>.
- Koziolek:2018:SIS**
- [KS18] Anne Koziolek and Evgenia Smirni. Special issue: Selected paper from the 8th ACM/SPEC International Conference on Performance Engineering (ICPE 2017). *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 3(2):6:1–6:??, April 2018. CODEN ????, ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3186329>.
- Kelley:2017:OMA**
- [KSM⁺17] Jaimie Kelley, Christopher Stewart, Nathaniel Morris, Devesh Tiwari, Yuxiong He, and

- Sameh Elnikety. Obtaining and managing answer quality for online data-intensive services. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 2(2):11:1–11:31, May 2017. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <http://dl.acm.org/citation.cfm?id=3055280>.
- Krishnasamy:2016:DSR**
- [KSSO16] Subhashini Krishnasamy, Rajat Sen, Sanjay Shakkottai, and Se-woong Oh. Detecting sponsored recommendations. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 2(1):6:1–6:29, November 2016. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <http://dl.acm.org/citation.cfm?id=2988543>.
- Lashgar:2016:ESM**
- [LB16] Ahmad Lashgar and Amirali Baniasadi. Employing software-managed caches in OpenACC: Opportunities and benefits. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 1(1):2:1–2:34, March 2016. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <http://dl.acm.org/citation.cfm?id=2798724>.
- Liu:2017:FPE**
- [LCD⁺17] Yanpei Liu, Guilherme Cox, Qingyuan Deng, Stark C. Draper, and Ricardo Bianchini. Fast power and energy management for future many-core systems. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 2(3):17:1–17:??, September 2017. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3086504>.
- Liu:2021:DES**
- [LKC⁺21] Zhengchun Liu, Rajkumar Kettimuthu, Joaquin Chung, Rachana Ananthakrishnan, Michael Link, and Ian Foster. Design and evaluation of a simple data interface for efficient data transfer across diverse storage. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 6(1):3:1–3:25, June 2021. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/doi/10.1145/3452007>.
- Liu:2018:BGB**
- [LLTL18] Chubo Liu, Kenli Li, Zhuo Tang, and Keqin Li. Bargaining game-based scheduling for performance guarantees in cloud computing. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 3(1):1:1–1:??, February 2018. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3160000>.

- dl.acm.org/citation.cfm?id=3141233.
- Lim:2019:PCI**
- [LLW⁺19] Chiun Lin Lim, Ki Suh Lee, Han Wang, Hakim Weatherspoon, and Ao Tang. Packet clustering introduced by routers: Modeling, analysis, and experiments. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 4(3):15:1–15:??, September 2019. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3345032>.
- Li:2018:MFA**
- [LRS18] Bin Li, Aditya Ramamoorthy, and R. Srikant. Mean-field analysis of coding versus replication in large data storage systems. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 3(1):3:1–3:??, February 2018. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3159172>.
- Liu:2017:ECE**
- [LS17] Yu-Hang Liu and Xian-He Sun. Evaluating the combined effect of memory capacity and concurrency for many-core chip design. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 2(2):9:1–9:25, May 2017. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3141233>.
- [LSC⁺20] Jianwei Liao, Zhibing Sha, Zhigang Cai, Zhiming Liu, Kenli Li, Wei-Keng Liao, Alok N. Choudhary, and Yutaka Ishikawa. Toward efficient block replication management in distributed storage. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 5(3):13:1–13:27, November 2020. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://doi/10.1145/3412450>.
- Liao:2020:TEB**
- [LXG⁺18] Jian Li, Bainan Xia, Xinbo Geng, Hao Ming, Srinivas Shakkottai, Vijay Subramanian, and Le Xie. Mean field games in nudge systems for societal networks. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 3(4):15:1–15:??, September 2018. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3232076>.
- Li:2018:MFG**
- [LXW⁺17] Hao Li, Xinhai Xu, Miao Wang, Chao Li, Xiaoguang Ren, and Xuejun Yang. Insertion of PETSc in the OpenFOAM framework. *ACM Trans-*

- actions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 2(3):16:1–16:??, September 2017. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3098821>. Li:2019:QCS
- [LZL⁺19] Zhenhua Li, Yongfeng Zhang, Yunhao Liu, Tianyin Xu, Ennan Zhai, Yao Liu, Xiaobo Ma, and Zhenyu Li. A quantitative and comparative study of network-level efficiency for cloud storage services. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 4(1):3:1–3:??, March 2019. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3274526>. Liu:2016:SSS
- [LZW⁺16] Jingyun Liu, Xiaohan Zhao, Walter Willinger, Xiao Wang, Ben Y. Zhao, and Haitao Zheng. Self-similarity in social network dynamics. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 2(1):5:1–5:26, November 2016. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <http://dl.acm.org/citation.cfm?id=2994142>. Molka:2016:CAW
- [MC16] Karsten Molka and Giuliano Casale. Contention-aware work-
load placement for in-memory databases in cloud environments. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 2(1):1:1–1:29, November 2016. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <http://dl.acm.org/citation.cfm?id=2961888>. Mciver:2020:ISS
- [MH20] Annabelle Mciver and András Horváth. Introduction to the special section on quantitative evaluation of systems (QUEST 2018). *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 5(1):1:1, February 2020. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3376999>. Marques:2021:MRM
- [MIS21] Diogo Marques, Aleksandar Ilic, and Leonel Sousa. Mansard roofline model: Reinforcing the accuracy of the roofs. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 6(2):7:1–7:23, June 2021. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/doi/10.1145/3475866>. Malik:2018:SAL
- [MRH18] Maria Malik, Setareh Rafatirad, and Houman Homayoun. System

- and architecture level characterization of big data applications on big and little core server architectures. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 3(3):14:1–14:??, August 2018. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3229049>.
- Marin:2020:DRA**
- [MRS20] Andrea Marin, Sabina Rossi, and Matteo Sottana. Dynamic resource allocation in fork-join queues. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 5(1):3:1–3:28, February 2020. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3372376>.
- Makrani:2021:APM**
- [MSN⁺21] Hosein Mohamamdi Makrani, Hossein Sayadi, Najmeh Nazari, Sai Mnoj Pudukotai Dinakarao, Avesta Sasan, Tinoosh Mohsenin, Setareh Rafatirad, and Houman Homayoun. Adaptive performance modeling of data-intensive workloads for resource provisioning in virtualized environment. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 5(4):18:1–18:24, March 2021. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic).
- Hani Nemati, Seyed Vahid Azhari, Mahsa Shakeri, and Michel Dagenais. Host-based virtual machine workload characterization using hypervisor trace mining. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 6(1):4:1–4:25, June 2021. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/doi/10.1145/3460197>.
- Nemati:2021:HBV**
- T. T. Hang Nguyen, Olivier Brun, and Balakrishna J. Prabhu. Performance of a fixed reward incentive scheme for two-hop DTNs with competing relays. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 4(2):12:1–12:??, June 2019. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3325288>.
- Nguyen:2019:PFR**
- Giovanni Neglia, Damiano Carra, Mingdong Feng, Vaishnav Jannardhan, Pietro Michiardi, and Dimitra Tsigkari. Access-time-aware cache algorithms. *ACM Transactions on Modeling and Performance Evaluation*
- Neglia:2017:ATA**

- of Computing Systems (TOMPECS)*, 2(4):21:1–21:??, December 2017. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3149001>.
- Narayana:2021:RER**
- [NMK21] V. S. Ch Lakshmi Narayana, Sharayu Moharir, and Nikhil Karamchandani. On renting edge resources for service hosting. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 6(2):8:1–8:30, June 2021. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/doi/10.1145/3478433>.
- Namazi:2019:SSO**
- [NSMA19] Alireza Namazi, Saeed Safari, Siamak Mohammadi, and Meisam Abdollahi. SORT: Semi online reliable task mapping for embedded multi-core systems. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 4(2):11:1–11:??, June 2019. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3322899>.
- Nain:2016:FDD**
- [NT16] Philippe Nain and Don Towsley. File dissemination in dynamic graphs: The case of independent and correlated links in series.
- ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 2(1):4:1–4:23, November 2016. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <http://dl.acm.org/citation.cfm?id=2981344>.
- Nordio:2018:STQ**
- [NTLM18] Alessandro Nordio, Alberto Tarable, Emilio Leonardi, and Marco Ajmone Marsan. Selecting the top-quality item through crowd scoring. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 3(1):2:1–2:??, February 2018. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3157736>.
- Nasiriani:2016:FAC**
- [NWK⁺16] Neda Nasiriani, Cheng Wang, George Kesidis, Bhuvan Urgaonkar, Lydia Y. Chen, and Robert Birke. On fair attribution of costs under peak-based pricing to cloud tenants. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 2(1):3:1–3:28, November 2016. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <http://dl.acm.org/citation.cfm?id=2970815>.
- Niu:2017:RAS**
- [NXL17] Di Niu, Hong Xu, and Baochun Li. Resource auto-scaling

- and sparse content replication for video storage systems. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 2(4):19:1–19:??, December 2017. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3079045>.
- Papadopoulos:2016:PPE**
- [PAEA⁺16] Alessandro Vittorio Papadopoulos, Ahmed Ali-Eldin, Karl-Erik Årzén, Johan Tordsson, and Erik Elmroth. PEAS: A performance evaluation framework for auto-scaling strategies in cloud applications. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 1(4):15:1–15:31, September 2016. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <http://dl.acm.org/citation.cfm?id=2930659>.
- Pajevic:2018:EPC**
- [PFK18] Ljubica Pajevic, Viktoria Fodor, and Gunnar Karlsson. Ensuring persistent content in opportunistic networks via stochastic stability analysis. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 3(4):16:1–16:??, September 2018. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3232161>.
- [PPIR19] Tien-Dat Phan, Guillaume Pallez, Shadi Ibrahim, and Padma Raghavan. A new framework for evaluating straggler detection mechanisms in MapReduce. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 4(3):14:1–14:??, September 2019. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3328740>.
- Phan:2019:NFE**
- [PPP⁺17] Thanasis Petsas, Antonis Papadogiannakis, Michalis Polychronakis, Evangelos P. Markatos, and Thomas Karagiannis. Measurement, modeling, and analysis of the mobile app ecosystem. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 2(2):7:1–7:33, May 2017. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <http://dl.acm.org/citation.cfm?id=2993419>.
- Petsas:2017:MMA**
- [Plakia:2020:SSS] Maria Plakia, Evripides Tzamourasis, Thomais Asvestopoulou, Giorgos Pantermakis, Nick Filippakis, Henning Schulzrinne, Yana Kane-Esrig, and Maria Papadopoulou. Should I stay or should I go: Analysis of the impact of application QoS on user engagement in YouTube. *ACM*

- Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 5(2):9:1–9:32, April 2020. CODEN ???? ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/doi/10.1145/3377873>.
- Qin:2021:OOA**
- [QE21] Tiancheng Qin and S. Rasoul Etesami. Optimal online algorithms for file-bundle caching and generalization to distributed caching. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 6(1):1:1–1:23, March 2021. CODEN ???? ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/doi/10.1145/3445028>.
- Rattaro:2020:QPD**
- [RAMB20] Claudia Rattaro, Laura Aspirot, Ernesto Mordecki, and Pablo Belzarena. QoS provision in a dynamic channel allocation based on admission control decisions. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 5(1):5:1–5:29, February 2020. CODEN ???? ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3372786>.
- Raeis:2020:AQM**
- [RBL20] Majid Raeis, Almut Burchard, and Jörg Liebeherr. Analy-
- [RS16] Stefanie Roos and Thorsten Strufe. Dealing with dead ends: Efficient routing in darknets. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 1(1):4:1–4:30, March 2016. CODEN ???? ISSN 2376-3639 (print), 2376-3647 (electronic). URL <http://dl.acm.org/citation.cfm?id=2809779>.
- Roos:2016:DDE**
- [RSS18] Avik Ray, Sujay Sanghavi, and Sanjay Shakkottai. Searching for a single community in a graph. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 3(3):13:1–13:??, August 2018. CODEN ???? ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3200863>.
- Ray:2018:SSC**
- [SKV21] Nikki Sonenberg, Grzegorz Kielanski, and Benny Van Houdt. Performance analysis
- Sonenberg:2021:PAW**

- of work stealing in large-scale multithreaded computing. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 6(2):6:1–6:28, June 2021. CODEN ???? ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/doi/10.1145/3470887>.
- Skevakis:2019:SOF**
- [SLH19] Emmanouil Skevakis, Ioannis Lambadaris, and Hassan Halabian. Scheduling for optimal file-transfer delay using chunked random linear network coding broadcast. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 4(3):17:1–17:??, September 2019. CODEN ???? ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3340242>.
- Simhon:2017:ARG**
- [SS17] Eran Simhon and David Starobinski. Advance reservation games. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 2(2):10:1–10:21, May 2017. CODEN ???? ISSN 2376-3639 (print), 2376-3647 (electronic). URL <http://dl.acm.org/citation.cfm?id=3053046>.
- Sieber:2020:SAU**
- [SSB⁺20] Christian Sieber, Susanna Schwarzmüller, Andreas Blenk, Thomas Zinner, and Wolfgang Kellerer. Scalable application- and user-aware resource allocation in enterprise networks using end-host pacing. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 5(3):11:1–11:41, November 2020. CODEN ???? ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/doi/10.1145/3381996>.
- Salamati:2020:LAT**
- [SSM20] Mahmoud Salamati, Sadegh Soudjani, and Rupak Majumdar. A Lyapunov approach for time-bounded reachability of CTMCs and CTMDPs. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 5(1):2:1–2:29, February 2020. CODEN ???? ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3371923>.
- Tavakkol:2016:PED**
- [TMASA16] Arash Tavakkol, Pooyan Mehrvarzy, Mohammad Arjomand, and Hamid Sarbazi-Azad. Performance evaluation of dynamic page allocation strategies in SSDs. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 1(2):7:1–7:33, June 2016. CODEN ???? ISSN 2376-3639 (print), 2376-3647 (electronic). URL <http://dl.acm.org/citation.cfm?id=2829974>.

- | | |
|--|---|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Towsley:2016:I</div> <p>[TW16] Don Towsley and Carey Williamson. [VNTA16] Introduction. <i>ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)</i>, 1(1):1:1, March 2016. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL http://dl.acm.org/citation.cfm?id=2893179.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Varki:2018:GGP</div> <p>[Var18] Elizabeth Varki. GPSonflow: Geographic positioning of storage for optimal nice flow. <i>ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)</i>, 3(3):12:1–12:??, August 2018. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL https://dl.acm.org/citation.cfm?id=3197656.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Vassio:2020:UIO</div> <p>[VGCL20] Luca Vassio, Michele Garetto, Carla Chiasserini, and Emilio Leonardi. User interaction with online advertisements: Temporal modeling and optimization of ads placement. <i>ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)</i>, 5(2):8:1–8:26, April 2020. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL https://dl.acm.org/doi/10.1145/3377144.</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">Vergara:2016:FIC</div> <p>[Ekhiotz] Jon Vergara, Simin Nadjm-Tehrani, and Mikael Asplund. Fairness and incentive considerations in energy apportionment policies. <i>ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)</i>, 2(1):2:1–2:29, November 2016. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL http://dl.acm.org/citation.cfm?id=2970816.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Vial:2019:RCP</div> <p>[VS19] Daniel Vial and Vijay Subramanian. On the role of clustering in personalized PageRank estimation. <i>ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)</i>, 4(4):21:1–21:33, December 2019. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL https://dl.acm.org/doi/abs/10.1145/3366635.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Verschoren:2019:EDC</div> <p>[VV19] Robin Verschoren and Benny Van Houdt. On the endurance of the d-choices garbage collection algorithm for flash-based SSDs. <i>ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)</i>, 4(3):13:1–13:??, September 2019. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL https://dl.acm.org/citation.cfm?id=3326121.</p> |
|--|---|

- Wang:2018:QMS**
- [WCKN18] Weikun Wang, Giuliano Casale, Ajay Kattepur, and Manoj K. Nambiar. QMLE: A methodology for statistical inference of service demands from queueing data. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 3(4):17:1–17:??, September 2018. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3233180>.
- Wu:2019:FAS**
- [WDGC19] Xiaohu Wu, Francesco De Pellegrini, Guanyu Gao, and Giuliano Casale. A framework for allocating server time to spot and on-demand services in cloud computing. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 4(4):20:1–20:31, December 2019. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3366682>.
- Wang:2019:ESR**
- [WJW19] Da Wang, Gauri Joshi, and Gregory W. Wornell. Efficient straggler replication in large-scale parallel computing. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 4(2):7:1–7:??, June 2019. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3366682>.
- Wang:2018:EAA**
- dl.acm.org/citation.cfm?id=3310336.
- Wang:2019:CSC**
- [WXL⁺19] Xiaoming Wang, Di Xiao, Xiaoyong Li, Daren B. H. Cline, and Dmitri Loguinov. Consistent sampling of churn under periodic non-stationary arrivals in distributed systems. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 4(4):22:1–22:33, December 2019. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3368510>.
- Wang:2019:OTA**
- [WZK⁺19] Qingyang Wang, Shungeng Zhang, Yasuhiko Kanemasa, Calton Pu, Balaji Palanisamy, Lilian Harada, and Motoyuki Kawaba. Optimizing N -tier application scalability in the cloud: A study of soft resource al-

- location. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 4(2):10:1–10:??, June 2019. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3326120>.
- Xie:2016:DAI**
- [XLT16] Hong Xie, John C. S. Lui, and Don Towsley. Design and analysis of incentive and reputation mechanisms for online crowdsourcing systems. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 1(3):13:1–13:27, May 2016. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <http://dl.acm.org/citation.cfm?id=2897510>.
- Yang:2020:EPC**
- [YLL20] Jinfeng Yang, Bingzhe Li, and David J. Lilja. Exploring performance characteristics of the Optane 3D Xpoint storage technology. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 5(1):4:1–4:28, February 2020. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3372783>.
- Yi:2017:CDC**
- [YLN⁺17] Xiaomeng Yi, Fangming Liu, Di Niu, Hai Jin, and John C. S. Lui. Cocoa: Dynamic container-based group buying strategies for cloud computing. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 2(2):8:1–8:31, May 2017. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <http://dl.acm.org/citation.cfm?id=3022876>.
- Yan:2016:PAF**
- [YMRS16] Feng Yan, Xenia Mourtoudou, Alma Riska, and Evgenia Smirni. PREFiguRE: An analytic framework for HDD management. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 1(3):10:1–10:27, May 2016. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <http://dl.acm.org/citation.cfm?id=2872331>.
- Yin:2019:ETL**
- [YYX⁺19] Ping Yin, Sen Yang, Jun Xu, Jim Dai, and Bill Lin. Efficient traffic load-balancing via incremental expansion of routing choices. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 4(1):1:1–1:??, March 2019. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3243173>.
- Zhou:2018:OED**
- [ZLW18] Ruiting Zhou, Zongpeng Li, and

Chuan Wu. An online emergency demand response mechanism for cloud computing. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 3(1):5:1–5:??, February 2018. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <https://dl.acm.org/citation.cfm?id=3177755>.

Zhang:2016:TIM

- [ZRWL16] Linquan Zhang, Shaolei Ren, Chuan Wu, and Zongpeng Li. A truthful incentive mechanism for emergency demand response in geo-distributed colocation data centers. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 1(4):18:1–18:23, September 2016. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <http://dl.acm.org/citation.cfm?id=2950046>.

Zhang:2016:VSL

- [ZWHD16] Deli Zhang, Jeremiah Wilke, Gilbert Hendry, and Damian Dechev. Validating the simulation of large-scale parallel applications using statistical characteristics. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS)*, 1(1):3:1–3:22, March 2016. CODEN ????. ISSN 2376-3639 (print), 2376-3647 (electronic). URL <http://dl.acm.org/citation.cfm?id=2809778>.