

References

- [1] Sherenaz W. Al-Haj Baddar and Basel A. Mahafzah. Bitonic sort on a chained-cubic tree interconnection network. *J. Parallel Distrib. Comput.*, 74(1):1744–1761, 2014.
- [2] Pedro Alonso, Manuel F. Dolz, and Antonio M. Vidal. Block pivoting implementation of a symmetric toeplitz solver. *J. Parallel Distrib. Comput.*, 74(5):2392–2399, 2014.
- [3] Christos Anagnostopoulos. Time-optimized contextual information forwarding in mobile sensor networks. *J. Parallel Distrib. Comput.*, 74(5):2317–2332, 2014.
- [4] Peter Arbenz, Cyril Flaig, and Daniel Kellenberger. Bone structure analysis on multiple gpgpus. *J. Parallel Distrib. Comput.*, 74(10):2941–2950, 2014.
- [5] Giuseppe Ateniese, Roberto Baldoni, Silvia Bonomi, and Giuseppe Antonio Di Luna. Fault-tolerant oblivious assignment with m slots in synchronous systems. *J. Parallel Distrib. Comput.*, 74(7):2648–2661, 2014.
- [6] V. Atlidakis, M. Roussopoulos, and A. Delis. Enhancedbit: Unleashing the potential of the unchoking policy in the bittorrent protocol. *J. Parallel Distrib. Comput.*, 74(1):1959–1970, 2014.
- [7] Guillaume Aupy, Yves Robert, Frédéric Vivien, and Dounia Zaidouni. Checkpointing algorithms and fault prediction. *J. Parallel Distrib. Comput.*, 74(2):2048–2064, 2014.
- [8] Marwane Ayaida, Mohtadi Barhoumi, Hacène Fouchal, Yacine Ghamri-Doudane, and Lissan Afilal. Joint routing and location-based service in vanets. *J. Parallel Distrib. Comput.*, 74(2):2077–2087, 2014.
- [9] Pablo Basanta-Val and Marisol García-Valls. Resource management policies for real-time java remote invocations. *J. Parallel Distrib. Comput.*, 74(1):1930–1944, 2014.
- [10] Hervé Baumann, Pierluigi Crescenzi, and Pierre Fraigniaud. Flooding in dynamic graphs with arbitrary degree sequence. *J. Parallel Distrib. Comput.*, 74(5):2433–2437, 2014.

- [11] Akram Ben Ahmed and Abderazek Ben Abdallah. Graceful deadlock-free fault-tolerant routing algorithm for 3d network-on-chip architectures. *J. Parallel Distrib. Comput.*, 74(4):2229–2240, 2014.
- [12] Petra Berenbrink, André Brinkmann, Tom Friedetzky, and Lars Nagel. Balls into non-uniform bins. *J. Parallel Distrib. Comput.*, 74(2):2065–2076, 2014.
- [13] Rémi Bertin, Sascha Hunold, Arnaud Legrand, and Corinne Touati. Fair scheduling of bag-of-tasks applications using distributed lagrangian optimization. *J. Parallel Distrib. Comput.*, 74(1):1914–1929, 2014.
- [14] Matthias Birk, Robin Dapp, N.V. Ruiter, and J. Becker. Gpu-based iterative transmission reconstruction in 3d ultrasound computer tomography. *J. Parallel Distrib. Comput.*, 74(1):1730–1743, 2014.
- [15] Mohamed Slim Bouguerra, Derrick Kondo, Fernando Mendonca, and Denis Trystram. Fault-tolerant scheduling on parallel systems with non-memoryless failure distributions. *J. Parallel Distrib. Comput.*, 74(5):2411–2422, 2014.
- [16] Claudia Canali and Riccardo Lancellotti. Detecting similarities in virtual machine behavior for cloud monitoring using smoothed histograms. *J. Parallel Distrib. Comput.*, 74(8):2757–2769, 2014.
- [17] H. Carter Edwards, Christian R. Trott, and Daniel Sunderland. Kokkos: Enabling manycore performance portability through polymorphic memory access patterns. *J. Parallel Distrib. Comput.*, 74(12):3202–3216, 2014.
- [18] Henri Casanova, Arnaud Giersch, Arnaud Legrand, Martin Quinson, and Frédéric Suter. Versatile, scalable, and accurate simulation of distributed applications and platforms. *J. Parallel Distrib. Comput.*, 74(10):2899–2917, 2014.
- [19] Márcio Castro, Luís Fabrício W. Góes, and Jean-François Méhaut. Adaptive thread mapping strategies for transactional memory applications. *J. Parallel Distrib. Comput.*, 74(9):2845–2859, 2014.

- [20] Amitabha Chakrabarty and Martin Collier. $o(\log \bar{m} \log n)$ routing algorithm for $(2 \log n - 1)$ -stage switching networks and beyond. *J. Parallel Distrib. Comput.*, 74(10):3045–3055, 2014.
- [21] Chao-Tsun Chang, Chih-Yung Chang, and Tzu-Lin Wang. Accident aware localization mechanism for wireless sensor networks. *J. Parallel Distrib. Comput.*, 74(9):2831–2844, 2014.
- [22] Hao Che and Minh Nguyen. Amdahl’s law for multithreaded multicore processors. *J. Parallel Distrib. Comput.*, 74(10):3056–3069, 2014.
- [23] Fei Chen, Tao Xiang, and Yuanyuan Yang. Privacy-preserving and verifiable protocols for scientific computation outsourcing to the cloud. *J. Parallel Distrib. Comput.*, 74(3):2141–2151, 2014.
- [24] Eduardo H.M. Cruz, Matthias Diener, Marco A.Z. Alves, and Philippe O.A. Navaux. Dynamic thread mapping of shared memory applications by exploiting cache coherence protocols. *J. Parallel Distrib. Comput.*, 74(3):2215–2228, 2014.
- [25] N. Cucu Laurenciu and S.D. Cotofana. Critical transistors nexus based circuit-level aging assessment and prediction. *J. Parallel Distrib. Comput.*, 74(6):2512–2520, 2014.
- [26] Dinesh Dash, Arobinda Gupta, Arijit Bishnu, and Subhas C. Nandy. Line coverage measures in wireless sensor networks. *J. Parallel Distrib. Comput.*, 74(7):2596–2614, 2014.
- [27] Romulo Silva de Oliveira, Andreu Carminati, and Renan Augusto Starke. Using an adversary simulator to evaluate global edf scheduling of sporadic task sets on multiprocessors. *J. Parallel Distrib. Comput.*, 74(10):3037–3044, 2014.
- [28] Sheng Di, Derrick Kondo, and Walfredo Cirne. Google hostload prediction based on bayesian model with optimized feature combination. *J. Parallel Distrib. Comput.*, 74(1):1820–1832, 2014.
- [29] Anshu Dubey, Ann Almgren, John Bell, Martin Berzins, Steve Brandt, Greg Bryan, Phillip Colella, Daniel Graves, Michael Lijewski, Frank Löffler, Brian O’Shea, Erik Schnetter, Brian Van Straalen, and Klaus Weide. A survey of high level frameworks in block-structured adaptive

- mesh refinement packages. *J. Parallel Distrib. Comput.*, 74(12):3217–3227, 2014.
- [30] Jesus Escudero-Sahuquillo, Pedro J. Garcia, Francisco J. Quiles, Sven-Arne Reinemo, Tor Skeie, Olav Lysne, and Jose Duato. A new proposal to deal with congestion in infiniband-based fat-trees. *J. Parallel Distrib. Comput.*, 74(1):1802–1819, 2014.
- [31] Pierre Est erie, Joel Falcou, Mathias Gaunard, Jean-Thierry Laprest e, and Lionel Lacassagne. The numerical template toolbox: A modern c++ design for scientific computing. *J. Parallel Distrib. Comput.*, 74(12):3240–3253, 2014.
- [32] Mehrdad Fallahpour, Ming-Bo Lin, and Chang-Hong Lin. Parallel photon-mapping rendering on a mesh-noc-based mpsoe platform. *J. Parallel Distrib. Comput.*, 74(7):2626–2638, 2014.
- [33] Hamid Mohammadi Fard, Radu Prodan, and Thomas Fahringer. Multi-objective list scheduling of workflow applications in distributed computing infrastructures. *J. Parallel Distrib. Comput.*, 74(3):2152–2165, 2014.
- [34] Kaniz Fatema, Vincent C. Emeakaroha, Philip D. Healy, John P. Morrison, and Theo Lynn. A survey of cloud monitoring tools: Taxonomy, capabilities and objectives. *J. Parallel Distrib. Comput.*, 74(10):2918–2933, 2014.
- [35] Dror G. Feitelson, Dan Tsafrir, and David Krakov. Experience with using the parallel workloads archive. *J. Parallel Distrib. Comput.*, 74(10):2967–2982, 2014.
- [36] Marta Fort, J. Antoni Sellar es, and Nacho Valladares. Finding extremal sets on the gpu. *J. Parallel Distrib. Comput.*, 74(1):1891–1899, 2014.
- [37] Panagiotis A. Foteinos and Nikos P. Chrisochoides. High quality real-time image-to-mesh conversion for finite element simulations. *J. Parallel Distrib. Comput.*, 74(2):2123–2140, 2014.
- [38] S. Frache, D. Chiabrande, M. Graziano, M. Vacca, L. Boarino, and M. Zamboni. Enabling design and simulation of massive parallel nanoarchitectures. *J. Parallel Distrib. Comput.*, 74(6):2530–2541, 2014.

- [39] Joseph S. Friedman, John A. Peters, Gokhan Memik, Bruce W. Wesels, and Alan V. Sahakian. Emitter-coupled spin-transistor logic. *J. Parallel Distrib. Comput.*, 74(6):2461–2469, 2014.
- [40] Weiwei Fu, Li Liu, and Tianzhou Chen. Direct distributed memory access for cmcs. *J. Parallel Distrib. Comput.*, 74(2):2109–2122, 2014.
- [41] Angelo Furno and Eugenio Zimeo. Self-scaling cooperative discovery of service compositions in unstructured p2p networks. *J. Parallel Distrib. Comput.*, 74(10):2994–3025, 2014.
- [42] Jiaquan Gao, Ronghua Liang, and Jun Wang. Research on the conjugate gradient algorithm with a modified incomplete cholesky preconditioner on gpu. *J. Parallel Distrib. Comput.*, 74(2):2088–2098, 2014.
- [43] Marta Garcia, Jesus Labarta, and Julita Corbalan. Hints to improve automatic load balancing with lewi for hybrid applications. *J. Parallel Distrib. Comput.*, 74(9):2781–2794, 2014.
- [44] Dawei Gong, Miao Zhao, and Yuanyuan Yang. Distributed channel assignment algorithms for 802.11n wlans with heterogeneous clients. *J. Parallel Distrib. Comput.*, 74(5):2365–2379, 2014.
- [45] Dawei Gong, Miao Zhao, and Yuanyuan Yang. A multi-channel cooperative mimo mac protocol for clustered wireless sensor networks. *J. Parallel Distrib. Comput.*, 74(11):3098–3114, 2014.
- [46] Pilar González-Férez, Juan Piernas, and Toni Cortes. A general framework for dynamic and automatic i/o scheduling in hard and solid-state drives. *J. Parallel Distrib. Comput.*, 74(5):2380–2391, 2014.
- [47] Barun Gorain and Partha Sarathi Mandal. Approximation algorithms for sweep coverage in wireless sensor networks. *J. Parallel Distrib. Comput.*, 74(8):2699–2707, 2014.
- [48] Ivan Grasso, Simone Pellegrini, Biagio Cosenza, and Thomas Fahringer. A uniform approach for programming distributed heterogeneous computing systems. *J. Parallel Distrib. Comput.*, 74(12):3228–3239, 2014.

- [49] Rong Gu, Xiaoliang Yang, Jinshuang Yan, Yuanhao Sun, Bing Wang, Chunfeng Yuan, and Yihua Huang. Shadoop: Improving mapreduce performance by optimizing job execution mechanism in hadoop clusters. *J. Parallel Distrib. Comput.*, 74(3):2166–2179, 2014.
- [50] Xiayu Hua, Hao Wu, Zheng Li, and Shangping Ren. Enhancing throughput of the hadoop distributed file system for interaction-intensive tasks. *J. Parallel Distrib. Comput.*, 74(8):2770–2779, 2014.
- [51] Tassadaq Hussain, Amna Haider, and Eduard Ayguadé. Pmss: A programmable memory system and scheduler for complex memory patterns. *J. Parallel Distrib. Comput.*, 74(10):2983–2993, 2014.
- [52] Wen-mei Hwu. What is ahead for parallel computing. *J. Parallel Distrib. Comput.*, 74(7):2574–2581, 2014.
- [53] Arshad Jhumka, Matthew Bradbury, and Sain Saginbekov. Efficient fault-tolerant collision-free data aggregation scheduling for wireless sensor networks. *J. Parallel Distrib. Comput.*, 74(1):1789–1801, 2014.
- [54] Guiyuan Jiang, Jigang Wu, Jizhou Sun, and Yiyi Gao. Flexible rerouting schemes for reconfiguration of multiprocessor arrays. *J. Parallel Distrib. Comput.*, 74(10):3026–3036, 2014.
- [55] Colette Johnen and Fouzi Mekhaldi. Self-stabilizing with service guarantee construction of 1-hop weight-based bounded size clusters. *J. Parallel Distrib. Comput.*, 74(1):1900–1913, 2014.
- [56] Natalia Kalinnik, Matthias Korch, and Thomas Rauber. Online auto-tuning for the time-step-based parallel solution of odes on shared-memory systems. *J. Parallel Distrib. Comput.*, 74(8):2722–2744, 2014.
- [57] Karthik Kambatla, Giorgos Kollias, Vipin Kumar, and Ananth Grama. Trends in big data analytics. *J. Parallel Distrib. Comput.*, 74(7):2561–2573, 2014.
- [58] R. Kannan, V. Harrand, X.G. Tan, H.Q. Yang, and A.J. Przekwas. Highly scalable computational algorithms on emerging parallel machine multicore architectures ii: Development and implementation in the csd and fsi contexts. *J. Parallel Distrib. Comput.*, 74(9):2808–2817, 2014.

- [59] Santosh Khasanvis, Mostafizur Rahman, and Csaba Andras Moritz. Heterogeneous graphene-cmos ternary content addressable memory. *J. Parallel Distrib. Comput.*, 74(6):2497–2503, 2014.
- [60] Jinoh Kim, Jerry Chou, and Doron Rotem. ipacs: Power-aware covering sets for energy proportionality and performance in data parallel computing clusters. *J. Parallel Distrib. Comput.*, 74(1):1762–1774, 2014.
- [61] Sangwook Kim, Hwanju Kim, Joonwon Lee, and Jinkyu Jeong. Group-based memory oversubscription for virtualized clouds. *J. Parallel Distrib. Comput.*, 74(4):2241–2256, 2014.
- [62] R. Kingsy Grace and R. Manimegalai. Dynamic replica placement and selection strategies in data grids — a comprehensive survey. *J. Parallel Distrib. Comput.*, 74(2):2099–2108, 2014.
- [63] Giorgos Kollias, Madan Sathe, Olaf Schenk, and Ananth Grama. Fast parallel algorithms for graph similarity and matching. *J. Parallel Distrib. Comput.*, 74(5):2400–2410, 2014.
- [64] Cheng-Nan Lai. An efficient construction of one-to-many node-disjoint paths in folded hypercubes. *J. Parallel Distrib. Comput.*, 74(4):2310–2316, 2014.
- [65] Jens Lang and Gudula Rünger. An execution time and energy model for an energy-aware execution of a conjugate gradient method with cpu/gpu collaboration. *J. Parallel Distrib. Comput.*, 74(9):2884–2897, 2014.
- [66] Duc Tai Le, Thang Le Duc, Vyacheslav V. Zalyubovskiy, Dongsoo S. Kim, and Hyunseung Choo. Labs: Latency aware broadcast scheduling in uncoordinated duty-cycled wireless sensor networks. *J. Parallel Distrib. Comput.*, 74(11):3141–3152, 2014.
- [67] Jaehwan Lee, Pete Keleher, and Alan Sussman. Exploiting multi-core nodes in peer-to-peer grids. *J. Parallel Distrib. Comput.*, 74(4):2286–2303, 2014.

- [68] Chuanyou Li, Michel Hurfin, and Yun Wang. Approximate byzantine consensus in sparse, mobile ad-hoc networks. *J. Parallel Distrib. Comput.*, 74(9):2860–2871, 2014.
- [69] Jianhua Li, Liang Shi, Chun Jason Xue, and Yinlong Xu. Dual partitioning multicasting for high-performance on-chip networks. *J. Parallel Distrib. Comput.*, 74(1):1858–1871, 2014.
- [70] Keqin Li. Optimal number of annuli for maximizing the lifetime of sensor networks. *J. Parallel Distrib. Comput.*, 74(1):1719–1729, 2014.
- [71] Wei Li, Flávia C. Delicato, Paulo F. Pires, Young Choon Lee, Albert Y. Zomaya, Claudio Miceli, and Luci Pirmez. Efficient allocation of resources in multiple heterogeneous wireless sensor networks. *J. Parallel Distrib. Comput.*, 74(1):1775–1788, 2014.
- [72] L. Lim and D. Conan. Partitionable group membership for mobile ad hoc networks. *J. Parallel Distrib. Comput.*, 74(8):2708–2721, 2014.
- [73] Hui Lin and Halit Üster. A parallel algorithm with enhancements via partial objective value cuts for cluster-based wireless sensor network design. *J. Parallel Distrib. Comput.*, 74(7):2615–2625, 2014.
- [74] Chen Liu, Pollawat Thanarungroj, and Jean-Luc Gaudiot. How many cores do we need to run a parallel workload: A test drive of the intel scc platform? *J. Parallel Distrib. Comput.*, 74(7):2582–2595, 2014.
- [75] Chuan-Ming Liu, Ta-Chih Su, Jenq-Haur Wang, and Yen-Lin Chen. Data broadcasting for dependent information using multiple channels in wireless broadcast environments. *J. Parallel Distrib. Comput.*, 74(9):2795–2807, 2014.
- [76] Junxiu Liu, Jim Harkin, Yuhua Li, and Liam Maguire. Online traffic-aware fault detection for networks-on-chip. *J. Parallel Distrib. Comput.*, 74(1):1984–1993, 2014.
- [77] Hongyin Luo, Shaojun Wei, Deming Chen, and Donghui Guo. Hybrid circuit-switched network for on-chip communication in large-scale chip-multiprocessors. *J. Parallel Distrib. Comput.*, 74(9):2818–2830, 2014.

- [78] Piotr Luszczek, Jakub Kurzak, and Jack Dongarra. Looking back at dense linear algebra software. *J. Parallel Distrib. Comput.*, 74(7):2548–2560, 2014.
- [79] M. Martalò, M. Amoretti, M. Picone, and G. Ferrari. Sporadic decentralized resource maintenance for p2p distributed storage networks. *J. Parallel Distrib. Comput.*, 74(2):2029–2038, 2014.
- [80] Manuel Jesús Martín Requena, Pablo Moscato, and Manuel Ujaldón. Efficient data partitioning for the gpu computation of moment functions. *J. Parallel Distrib. Comput.*, 74(1):1994–2004, 2014.
- [81] Alexandre Maurer and Sébastien Tixeuil. Byzantine broadcast with fixed disjoint paths. *J. Parallel Distrib. Comput.*, 74(11):3153–3160, 2014.
- [82] Richard Membarth, Oliver Reiche, Christian Schmitt, Frank Hannig, Jürgen Teich, Markus Stürmer, and Harald Köstler. Towards a performance-portable description of geometric multigrid algorithms using a domain-specific language. *J. Parallel Distrib. Comput.*, 74(12):3191–3201, 2014.
- [83] Othon Michail, Ioannis Chatzigiannakis, and Paul G. Spirakis. Causality, influence, and computation in possibly disconnected synchronous dynamic networks. *J. Parallel Distrib. Comput.*, 74(1):2016–2026, 2014.
- [84] Arslan Munir, Ann Gordon-Ross, Sanjay Ranka, and Farinaz Koushanfar. A queueing theoretic approach for performance evaluation of low-power multi-core embedded systems. *J. Parallel Distrib. Comput.*, 74(1):1872–1890, 2014.
- [85] Sireesha Muppala, Guihai Chen, and Xiaobo Zhou. Multi-tier service differentiation by coordinated learning-based resource provisioning and admission control. *J. Parallel Distrib. Comput.*, 74(5):2351–2364, 2014.
- [86] Thao P. Nghiem, Kiki Maulana, Kinh Nguyen, David Green, Agustinus Borgy Waluyo, and David Taniar. Peer-to-peer bichromatic reverse nearest neighbours in mobile ad-hoc networks. *J. Parallel Distrib. Comput.*, 74(11):3128–3140, 2014.

- [87] Nishant S. Nukala, Niranjan Kulkarni, and Sarma Vrudhula. Spintronic threshold logic array (stla) — a compact, low leakage, non-volatile gate array architecture. *J. Parallel Distrib. Comput.*, 74(6):2452–2460, 2014.
- [88] Pouya Ostovari, Jie Wu, and Abdallah Khreishah. Symbol-level reliable broadcasting of sensitive data in error-prone wireless networks. *J. Parallel Distrib. Comput.*, 74(7):2673–2685, 2014.
- [89] Anirban Pal, Abhishek Agarwala, Soumyendu Raha, and Baidurya Bhattacharya. Performance metrics in a hybrid mpi-openmp based molecular dynamics simulation with short-range interactions. *J. Parallel Distrib. Comput.*, 74(3):2203–2214, 2014.
- [90] Rajesh Kumar Pal, Kolin Paul, and Sanjiva Prasad. Rekonf: Dynamically reconfigurable multicore architecture. *J. Parallel Distrib. Comput.*, 74(11):3071–3086, 2014.
- [91] Jun Pang, Alvin R. Lebeck, and Christopher Dwyer. Modeling and simulation of a nanoscale optical computing system. *J. Parallel Distrib. Comput.*, 74(6):2470–2483, 2014.
- [92] Miao Peng, Hui Chen, Yang Xiao, Suat Ozdemir, Athanasios V. Vasilakos, and Jie Wu. Retraction notice to: “impacts of sensor node distributions on coverage in sensor networks”. *J. Parallel Distrib. Comput.*, 74(5):2438–2438, 2014. Originally in *J. Parallel Distrib. Comput.*, Vol. 71, 2011, No. 12, 1578-1591.
- [93] Steven J. Plimpton and Tim Shead. Streaming data analytics via message passing with application to graph algorithms. *J. Parallel Distrib. Comput.*, 74(8):2687–2698, 2014.
- [94] Sutharshan Rajasegarar, Christopher Leckie, and Marimuthu Palaniswami. Hyperspherical cluster based distributed anomaly detection in wireless sensor networks. *J. Parallel Distrib. Comput.*, 74(1):1833–1847, 2014.
- [95] Reza Salimi, Homayun Motameni, and Hesam Omranpour. Task scheduling using nsga ii with fuzzy adaptive operators for computational grids. *J. Parallel Distrib. Comput.*, 74(5):2333–2350, 2014.

- [96] Robert Schreiber. A few bad ideas on the way to the triumph of parallel computing. *J. Parallel Distrib. Comput.*, 74(7):2544–2547, 2014.
- [97] Min Shen, Ajay D. Kshemkalyani, and Ashfaq Khokhar. Detecting stable locality-aware predicates. *J. Parallel Distrib. Comput.*, 74(1):1971–1983, 2014.
- [98] Wei Shi, Joaquin Garcia-Alfaro, and Jean-Pierre Corriveau. Searching for a black hole in interconnected networks using mobile agents and tokens. *J. Parallel Distrib. Comput.*, 74(1):1945–1958, 2014.
- [99] Seon-Ho Shin, Eun-Jin Im, and MyungKeun Yoon. A grand spread estimator using a graphics processing unit. *J. Parallel Distrib. Comput.*, 74(2):2039–2047, 2014.
- [100] Jiwu Shu, Zhirong Shen, and Wei Xue. Shield: A stackable secure storage system for file sharing in public storage. *J. Parallel Distrib. Comput.*, 74(9):2872–2883, 2014.
- [101] Sneha Aman Singh and Srikanta Tirthapura. Monitoring persistent items in the union of distributed streams. *J. Parallel Distrib. Comput.*, 74(11):3115–3127, 2014.
- [102] Alexandre Skyrme, Noemi Rodriguez, and Roberto Ierusalimschy. A survey of support for structured communication in concurrency control models. *J. Parallel Distrib. Comput.*, 74(4):2266–2285, 2014.
- [103] Edgar Solomonik, Devin Matthews, Jeff R. Hammond, John F. Stanton, and James Demmel. A massively parallel tensor contraction framework for coupled-cluster computations. *J. Parallel Distrib. Comput.*, 74(12):3176–3190, 2014.
- [104] Hongyang Sun, Wen-Jing Hsu, and Yangjie Cao. Competitive online adaptive scheduling for sets of parallel jobs with fairness and efficiency. *J. Parallel Distrib. Comput.*, 74(3):2180–2192, 2014.
- [105] Zhao Tong, Zheng Xiao, Kenli Li, and Keqin Li. Proactive scheduling in distributed computing — a reinforcement learning approach. *J. Parallel Distrib. Comput.*, 74(7):2662–2672, 2014.

- [106] Joel Antonio Trejo-Sánchez and José Alberto Fernández-Zepeda. Distributed algorithm for the maximal 2-packing in geometric outerplanar graphs. *J. Parallel Distrib. Comput.*, 74(3):2193–2202, 2014.
- [107] Ogun Turkyilmaz, Santhosh Onkaraiah, Marina Reyboz, Fabien Clermidy, Hraziia, Costin Anghel, Jean-Michel Portal, and Marc Bocquet. Rram-based fpga for “normally off, instantly on” applications. *J. Parallel Distrib. Comput.*, 74(6):2441–2451, 2014.
- [108] Phuong Luu Vo, Tuan Anh Le, Sungwon Lee, Choong Seon Hong, Byeongsik Kim, and Hoyoung Song. Multi-path utility maximization and multi-path tcp design. *J. Parallel Distrib. Comput.*, 74(1):1848–1857, 2014.
- [109] Peijian Wang, Yong Qi, and Xue Liu. Power-aware optimization for heterogeneous multi-tier clusters. *J. Parallel Distrib. Comput.*, 74(1):2005–2015, 2014.
- [110] Y. Wang, S.D. Cotofana, and L. Fang. Analysis of the impact of spatial and temporal variations on the stability of sram arrays and the mitigation technique using independent-gate devices. *J. Parallel Distrib. Comput.*, 74(6):2521–2529, 2014.
- [111] Jing Wu and Joseph JaJa. Optimized fft computations on heterogeneous platforms with application to the poisson equation. *J. Parallel Distrib. Comput.*, 74(8):2745–2756, 2014.
- [112] Miao Xie, Qiusong Yang, Jian Zhai, and Qing Wang. A vertex centric parallel algorithm for linear temporal logic model checking in pregel. *J. Parallel Distrib. Comput.*, 74(11):3161–3174, 2014.
- [113] Xin Yuan, Santosh Mahapatra, Michael Lang, and Scott Pakin. Static load-balanced routing for slimmed fat-trees. *J. Parallel Distrib. Comput.*, 74(5):2423–2432, 2014.
- [114] Zeng Zeng and Bharadwaj Veeravalli. Optimal metadata replications and request balancing strategy on cloud data centers. *J. Parallel Distrib. Comput.*, 74(10):2934–2940, 2014.

- [115] Jianfeng Zhang, Mostafizur Rahman, Pritish Narayanan, Santosh Khasanvis, and C. Andras Moritz. Parameter variation sensing and estimation in nanoscale fabrics. *J. Parallel Distrib. Comput.*, 74(6):2504–2511, 2014.
- [116] Tao Zhang, Wei Shu, and Min-You Wu. Cuirre: An open-source library for load balancing and characterizing irregular applications on gpus. *J. Parallel Distrib. Comput.*, 74(10):2951–2966, 2014.
- [117] Yuanming Zhang, Gang Xiao, and Takanobu Baba. Accelerating sequential programs on commodity multi-core processors. *J. Parallel Distrib. Comput.*, 74(4):2257–2265, 2014.
- [118] Han Zhao, Xinxin Liu, and Xiaolin Li. Towards efficient and fair resource trading in community-based cloud computing. *J. Parallel Distrib. Comput.*, 74(11):3087–3097, 2014.
- [119] W.S. Zhao, J.M. Portal, W. Kang, M. Moreau, Y. Zhang, H. Aziza, J.-O. Klein, Z.H. Wang, D. Querlioz, D. Deleruyelle, M. Bocquet, D. Ravelosona, C. Muller, and C. Chappert. Design and analysis of crossbar architecture based on complementary resistive switching non-volatile memory cells. *J. Parallel Distrib. Comput.*, 74(6):2484–2496, 2014.
- [120] Cong Zheng, Shuo Gu, Tong-Xiang Gu, Bing Yang, and Xing-Ping Liu. Biell: A bisection ellpack-based storage format for optimizing spmv on gpus. *J. Parallel Distrib. Comput.*, 74(7):2639–2647, 2014.
- [121] Xiaojun Zhu, Qun Li, Weizhen Mao, and Guihai Chen. Online vector scheduling and generalized load balancing. *J. Parallel Distrib. Comput.*, 74(4):2304–2309, 2014.