References

[1] Khalid H. Abed and Gerald R. Morris. Improving performance of codes with large/irregular stride memory access patterns via high performance reconfigurable computers. *J. Parallel Distrib. Comput.*, 73(11):1430–1438, 2013.

[2] José L. Abellán, Juan Fernández, and Manuel E. Acacio. Design of an efficient communication infrastructure for highly contended locks in many-core cpms. *J. Parallel Distrib. Comput.*, 73(7):972–985, 2013.

[3] Faraz Ahmad, Seyong Lee, Mithuna Thottethodi, and T.N. Vijaykumar. Mapreduce with communication overlap (marco). *J. Parallel Distrib. Comput.*, 73(5):608–620, 2013.

[4] Deepak Ajwani, Shoukat Ali, Kostas Katrinis, Cheng-Hong Li, Alfred J. Park, John P. Morrison, and Eugen Schenfeld. Generating synthetic task graphs for simulating stream computing systems. *J. Parallel Distrib. Comput.*, 73(10):1362–1374, 2013.

[5] Asmaa Al-Naqi, Ahmet T. Erdogan, and Tughrul Arslan. Dynamic fault-tolerant three-dimensional cellular genetic algorithms. *J. Parallel Distrib. Comput.*, 73(2):122–136, 2013.

[6] Dhiah Al-Shammary, Ibrahim Khalil, Zahir Tari, and Albert Y. Zomaya. Fractal self-similarity measurements based clustering technique for soap web messages. *J. Parallel Distrib. Comput.*, 73(5):664–676, 2013.

[7] Khaldoon Al-Zoubi and Gabriel Wainer. Rise: A general simulation interoperability middleware container. *J. Parallel Distrib. Comput.*, 73(5):580–594, 2013.

[8] Michele Amoretti, Francesco Zanichelli, and Gianni Conte. Efficient autonomic cloud computing using online discrete event simulation. *J. Parallel Distrib. Comput.*, 73(6):767–776, 2013.

[9] Hartwig Anzt, Stanimire Tomov, Jack Dongarra, and Vincent Heuveline. A block-asynchronous relaxation method for graphics processing units. *J. Parallel Distrib. Comput.*, 73(12):1613–1626, 2013.

[10] Alex A. Aravind. Simple, space-efficient, and fairness improved fcfs mutual exclusion algorithms. *J. Parallel Distrib. Comput.*, 73(8):1029–1038, 2013.

[11] Douglas A. Augusto and Helio J.C. Barbosa. Accelerated parallel genetic programming tree evaluation with opencl. *J. Parallel Distrib. Comput.*, 73(1):86–100, 2013.

[12] Roberto Baldoni, Silvia Bonomi, Adriano Cerocchi, and Leonardo Querzoni. Virtual tree: A robust architecture for interval valid queries in dynamic distributed systems. *J. Parallel Distrib. Comput.*, 73(8):1135–1145, 2013.

[13] Can Basaran and Kyoung-Don Kang. Grex: An efficient mapreduce framework for graphics processing units. *J. Parallel Distrib. Comput.*, 73(4):522–533, 2013.

[14] Anne Benoit, Fanny Dufossé, Alain Girault, and Yves Robert. Reliability and performance optimization of pipelined real-time systems. *J. Parallel Distrib. Comput.*, 73(6):851–865, 2013.

[15] T. Berka and M. Vajteršic. Parallel rare term vector replacement: Fast and effective dimensionality reduction for text. *J. Parallel Distrib. Comput.*, 73(3):341–351, 2013.

[16] Thibault Bernard, Alain Bui, and Devan Sohier. Universal adaptive self-stabilizing traversal scheme: Random walk and reloading wave. *J. Parallel Distrib. Comput.*, 73(2):137–149, 2013.

[17] M. Bernaschi, M. Bisson, and D. Rossetti. Benchmarking of communication techniques for gpus. *J. Parallel Distrib. Comput.*, 73(2):250–255, 2013.

[18] Marin Bertier, Marko Obrovac, and Cédric Tedeschi. Adaptive atomic capture of multiple molecules. *J. Parallel Distrib. Comput.*, 73(9):1251–1266, 2013.

[19] Juan Besa and Yadran Eterovic. A concurrent red-black tree. *J. Parallel Distrib. Comput.*, 73(4):434–449, 2013.

[20] Jacek Blazewicz, Wojciech Frohmberg, Michal Kierzynka, and Pawel Wojciechowski. *g*-msa — a gpu-based, fast and accurate algorithm for multiple sequence alignment. *J. Parallel Distrib. Comput.*, 73(1):32–41, 2013.

[21] Alessio Bonfietti, Michele Lombardi, Michela Milano, and Luca Benini. Maximum-throughput mapping of sdfgs on multi-core soc platforms. *J. Parallel Distrib. Comput.*, 73(10):1337–1350, 2013.

[22] Joris Borgdorff, Jean-Luc Falcone, Eric Lorenz, Carles Bona-Casas, Bastien Chopard, and Alfons G. Hoekstra. Foundations of distributed multiscale computing: Formalization, specification, and analysis. *J. Parallel Distrib. Comput.*, 73(4):465–483, 2013.

[23] Stéphane Bressan, Alfredo Cuzzocrea, Panagiotis Karras, Xuesong Lu, and Sadegh Heyrani Nobari. An effective and efficient parallel approach for random graph generation over gpus. *J. Parallel Distrib. Comput.*, 73(3):303–316, 2013.

[24] Luis Diego Briceño, Jay Smith, Howard Jay Siegel, Anthony A. Maciejewski, Paul Maxwell, Russ Wakefield, Abdulla Al-Qawasmeh, Ron C. Chiang, and Jiayin Li. Robust static resource allocation of dags in a heterogeneous multicore system. *J. Parallel Distrib. Comput.*, 73(12):1705–1717, 2013.

[25] André R. Brodtkorb, Trond R. Hagen, and Martin L. Sætra. Graphics processing unit (gpu) programming strategies and trends in gpu computing. *J. Parallel Distrib. Comput.*, 73(1):4–13, 2013.

[26] Giulia Bruno and Alessandro Fiori. Microcian: Microarray clustering analysis. *J. Parallel Distrib. Comput.*, 73(3):360–370, 2013.

[27] Alberto Cano, Juan Luis Olmo, and Sebastián Ventura. Parallel multi-objective ant programming for classification using gpus. *J. Parallel Distrib. Comput.*, 73(6):713–728, 2013.

[28] José M. Cecilia, José M. García, Andy Nisbet, Martyn Amos, and Manuel Ujaldón. Enhancing data parallelism for ant colony optimization on gpus. *J. Parallel Distrib. Comput.*, 73(1):42–51, 2013.

[29] I. Chakroun, N. Melab, M. Mezmaz, and D. Tuyttens. Combining multi-core and gpu computing for solving combinatorial optimization problems. *J. Parallel Distrib. Comput.*, 73(12):1563–1577, 2013.

[30] Sunita Chandrasekaran, Shilpa Shanbagh, Ramkumar Jayaraman, Douglas L. Maskell, and Hui Yan Cheah. C2fpga — a dependency-timing graph design methodology. *J. Parallel Distrib. Comput.*, 73(11):1417–1429, 2013.

[31] Yeim-Kuan Chang and Fang-Chen Kuo. Hint-based cache design for reducing miss penalty in hbs packet classification algorithm. *J. Parallel Distrib. Comput.*, 73(8):1170–1182, 2013.

[32] Jingshu Chen, Fuad Abujarad, and Sandeep Kulkarni. Towards scalable model checking of self-stabilizing programs. *J. Parallel Distrib. Comput.*, 73(4):400–410, 2013.

[33] Baolei Cheng, Jianxi Fan, Xiaohua Jia, and Jin Wang. Dimension-adjacent trees and parallel construction of independent spanning trees on crossed cubes. *J. Parallel Distrib. Comput.*, 73(5):641–652, 2013.

[34] Jiwon Choi, Myeongsu Kang, Yongmin Kim, Cheol-Hong Kim, and Jong-Myon Kim. Design space exploration in many-core processors for sound synthesis of plucked string instruments. *J. Parallel Distrib. Comput.*, 73(11):1506–1522, 2013.

[35] Rezaul Alam Chowdhury, Vijaya Ramachandran, Francesco Silvestri, and Brandon Blakeley. Oblivious algorithms for multicores and networks of processors. *J. Parallel Distrib. Comput.*, 73(7):911–925, 2013.

[36] Michał Czapiński. An effective parallel multistart tabu search for quadratic assignment problem on cuda platform. *J. Parallel Distrib. Comput.*, 73(11):1461–1468, 2013.

[37] Yuan Dai, Yong Fang, Dongjian He, and Bormin Huang. Parallel design for error-resilient entropy coding algorithm on gpu. *J. Parallel Distrib. Comput.*, 73(4):411–419, 2013.

[38] J.P. D'Amato and M. Vénere. A cpu-gpu framework for optimizing the quality of large meshes. *J. Parallel Distrib. Comput.*, 73(8):1127–1134, 2013.

[39] Francisco Heron de Carvalho Junior and Cenez Araújo de Rezende. A case study on expressiveness and performance of component-oriented parallel programming. *J. Parallel Distrib. Comput.*, 73(5):557–569, 2013.

[40] Audrey Delévacq, Pierre Delisle, Marc Gravel, and Michaël Krajecki. Parallel ant colony optimization on graphics processing units. *J. Parallel Distrib. Comput.*, 73(1):52–61, 2013.

[41] Daniel Delling, Andrew V. Goldberg, Andreas Nowatzyk, and Renato F. Werneck. Phast: Hardware-accelerated shortest path trees. *J. Parallel Distrib. Comput.*, 73(7):940–952, 2013.

[42] Giuseppe Di Fatta, Francesco Blasa, Simone Cafiero, and Giancarlo Fortino. Fault tolerant decentralised k-means clustering for asynchronous large-scale networks. *J. Parallel Distrib. Comput.*, 73(3):317–329, 2013.

[43] Salvatore Di Gregorio, Giuseppe Filippone, William Spataro, and Giuseppe A. Trunfio. Accelerating wildfire susceptibility mapping through gpgpu. *J. Parallel Distrib. Comput.*, 73(8):1183–1194, 2013.

[44] Jörg Dümmler, Thomas Rauber, and Gudula Rünger. Programming support and scheduling for communicating parallel tasks. *J. Parallel Distrib. Comput.*, 73(2):220–234, 2013.

[45] Hatem M. El-Boghdadi. A class of almost-optimal size-independent parallel prefix circuits. *J. Parallel Distrib. Comput.*, 73(6):888–894, 2013.

[46] Pavel Emeliyanenko. Computing resultants on graphics processing units: Towards gpu-accelerated computer algebra. *J. Parallel Distrib. Comput.*, 73(11):1494–1505, 2013.

[47] Xiaopeng Fan, Jiannong Cao, Haixia Mao, and Yunhuai Liu. Gossip-based cooperative caching for mobile applications in mobile wireless networks. *J. Parallel Distrib. Comput.*, 73(5):653–663, 2013.

[48] Antonio Fernández Anta, Miguel A. Mosteiro, and Christopher Thraves. An early-stopping protocol for computing aggregate functions in sensor networks. *J. Parallel Distrib. Comput.*, 73(2):111–121, 2013.

[49] Jiading Gai, Nady Obeid, Joseph L. Holtrop, Xiao-Long Wu, Fan Lam, Maojing Fu, Justin P. Haldar, Wen-mei W. Hwu, Zhi-Pei Liang, and Bradley P. Sutton. More impatient: A gridding-accelerated toeplitz-based strategy for non-cartesian high-resolution 3d mri on gpus. *J. Parallel Distrib. Comput.*, 73(5):686–697, 2013.

[50] Saurabh Kumar Garg, Srikumar Venugopal, James Broberg, and Rajkumar Buyya. Double auction-inspired meta-scheduling of parallel applications on global grids. *J. Parallel Distrib. Comput.*, 73(4):450–464, 2013.

[51] M.B. Giles, G.R. Mudalige, B. Spencer, C. Bertolli, and I. Reguly. Designing op2 for gpu architectures. *J. Parallel Distrib. Comput.*, 73(11):1451–1460, 2013.

[52] Brice Goglin and Stéphanie Moreaud. Knem: A generic and scalable kernel-assisted intra-node mpi communication framework. *J. Parallel Distrib. Comput.*, 73(2):176–188, 2013.

[53] Dawei Gong, Yuanyuan Yang, and Zhexi Pan. Energy-efficient clustering in lossy wireless sensor networks. *J. Parallel Distrib. Comput.*, 73(9):1323–1336, 2013.

[54] Daniel Goodman, Behram Khan, Salman Khan, Mikel Luján, and Ian Watson. Software transactional memories for scala. *J. Parallel Distrib. Comput.*, 73(2):150–163, 2013.

[55] Fernando Guirado, Concepció Roig, and Ana Ripoll. Enhancing throughput for streaming applications running on cluster systems. *J. Parallel Distrib. Comput.*, 73(8):1092–1105, 2013.

[56] Saurabh Gupta, Ping Xiang, Yi Yang, and Huiyang Zhou. Locality principle revisited: A probability-based quantitative approach. *J. Parallel Distrib. Comput.*, 73(7):1011–1027, 2013.

[57] Menglan Hu and Bharadwaj Veeravalli. Requirement-aware strategies for scheduling real-time divisible loads on clusters. *J. Parallel Distrib. Comput.*, 73(8):1083–1091, 2013.

[58] Bahman Javadi, Derrick Kondo, Alexandru Iosup, and Dick Epema. The failure trace archive: Enabling the comparison of failure measurements and models of distributed systems. *J. Parallel Distrib. Comput.*, 73(8):1208–1223, 2013.

[59] Shouling Ji, Jing (Selena) He, Yi Pan, and Yingshu Li. Continuous data aggregation and capacity in probabilistic wireless sensor networks. *J. Parallel Distrib. Comput.*, 73(6):729–745, 2013.

[60] Qinma Kang, Hong He, and Jun Wei. An effective iterated greedy algorithm for reliability-oriented task allocation in distributed computing systems. *J. Parallel Distrib. Comput.*, 73(8):1106–1115, 2013.

[61] Hamid Karimi, Saleh Yousefi, and Maghsud Solimanpur. A segmentation approach for file broadcast scheduling. *J. Parallel Distrib. Comput.*, 73(10):1375–1388, 2013.

[62] Nicholas T. Karonis, Kirk L. Duffin, Caesar E. Ordoñez, Bela Erdelyi, Thomas D. Uram, Eric C. Olson, George Coutrakon, and Michael E. Papka. Distributed and hardware accelerated computing for clinical medical imaging using proton computed tomography (pct). *J. Parallel Distrib. Comput.*, 73(12):1605–1612, 2013.

[63] Philipp Kegel, Michel Steuwer, and Sergei Gorlatch. dopencl: Towards uniform programming of distributed heterogeneous multi-/many-core systems. *J. Parallel Distrib. Comput.*, 73(12):1639–1648, 2013.

[64] Jinwoong Kim, Sul-Gi Kim, and Beomseok Nam. Parallel multi-dimensional range query processing with r-trees on gpu. *J. Parallel Distrib. Comput.*, 73(8):1195–1207, 2013.

[65] Krish K.R., Guanying Wang, Puranjoy Bhattacharjee, Ali R. Butt, and Chris Gniady. On reducing energy management delays in disks. *J. Parallel Distrib. Comput.*, 73(6):823–835, 2013.

[66] Ajay D. Kshemkalyani and Mukesh Singhal. Efficient distributed snapshots in an anonymous asynchronous message-passing system. *J. Parallel Distrib. Comput.*, 73(5):621–629, 2013.

[67] Heshan Kumarage, Ibrahim Khalil, Zahir Tari, and Albert Zomaya. Distributed anomaly detection for industrial wireless sensor networks

based on fuzzy data modelling. *J. Parallel Distrib. Comput.*, 73(6):790–806, 2013.

[68] Patrick A. La Fratta and Peter M. Kogge. Energy-efficient multithreading for a hierarchical heterogeneous multicore through locality-cognizant thread generation. *J. Parallel Distrib. Comput.*, 73(12):1551–1562, 2013.

[69] Jaekyu Lee, Si Li, Hyesoon Kim, and Sudhakar Yalamanchili. Design space exploration of on-chip ring interconnection for a cpu-gpu heterogeneous architecture. *J. Parallel Distrib. Comput.*, 73(12):1525–1538, 2013.

[70] Kiyeon Lee and Sangyeun Cho. Accurately modeling superscalar processor performance with reduced trace. *J. Parallel Distrib. Comput.*, 73(4):509–521, 2013.

[71] Josep L. Lerida, Francesc Solsona, Porfidio Hernandez, Francesc Gine, Mauricio Hanzich, and Josep Conde. State-based predictions with self-correction on enterprise desktop grid environments. *J. Parallel Distrib. Comput.*, 73(6):777–789, 2013.

[72] Qi Li, Raied Salman, Erik Test, Robert Strack, and Vojislav Kecman. Parallel multitask cross validation for support vector machine using gpu. *J. Parallel Distrib. Comput.*, 73(3):293–302, 2013.

[73] Xiangyang Liang, Minh Nguyen, and Hao Che. Wimpy or brawny cores: A throughput perspective. *J. Parallel Distrib. Comput.*, 73(10):1351–1361, 2013.

[74] Lin Liu and Yuanyuan Yang. Energy-aware routing in hybrid optical network-on-chip for future multi-processor system-on-chip. *J. Parallel Distrib. Comput.*, 73(2):189–197, 2013.

[75] Oleg Lobachev, Michael Guthe, and Rita Loogen. Estimating parallel performance. *J. Parallel Distrib. Comput.*, 73(6):876–887, 2013.

[76] Lanfranco Lopriore. Object protection in distributed systems. *J. Parallel Distrib. Comput.*, 73(5):570–579, 2013.

[77] Jiaqing Luo, Bin Xiao, and Shijie Zhou. A bottom-up model for heterogeneous bittorrent systems. *J. Parallel Distrib. Comput.*, 73(8):1116–1126, 2013.

[78] Teng Ma, George Bosilca, Aurelien Bouteiller, and Jack J. Dongarra. Kernel-assisted and topology-aware mpi collective communications on multicore/many-core platforms. *J. Parallel Distrib. Comput.*, 73(7):1000–1010, 2013.

[79] Raimundo José de Araújo Macêdo, Allan Edgard Silva Freitas, and Alírio Santos de Sá. Enhancing group communication with self-manageable behavior. *J. Parallel Distrib. Comput.*, 73(4):420–433, 2013.

[80] Guilherme Maia, Andre L.L. Aquino, Daniel L. Guidoni, and Antonio A.F. Loureiro. A multicast reprogramming protocol for wireless sensor networks based on small world concepts. *J. Parallel Distrib. Comput.*, 73(9):1277–1291, 2013.

[81] M. Manjunathaiah. Fine-grained multi-phase array designs. *J. Parallel Distrib. Comput.*, 73(8):1076–1082, 2013.

[82] Najme Mansouri and Gholam Hosein Dastghaibyfard. Enhanced dynamic hierarchical replication and weighted scheduling strategy in data grid. *J. Parallel Distrib. Comput.*, 73(4):534–543, 2013.

[83] Enrico Mastrostefano and Massimo Bernaschi. Efficient breadth first search on multi-gpu systems. *J. Parallel Distrib. Comput.*, 73(9):1292–1305, 2013.

[84] Miguel Matos, Valerio Schiavoni, Pascal Felber, Rui Oliveira, and Etienne Rivière. Lightweight, efficient, robust epidemic dissemination. *J. Parallel Distrib. Comput.*, 73(7):987–999, 2013.

[85] Nasro Min-Allah, Samee U. Khan, Xiuli Wang, and Albert Y. Zomaya. Lowest priority first based feasibility analysis of real-time systems. *J. Parallel Distrib. Comput.*, 73(8):1066–1075, 2013.

[86] Marjan Naderan, Mehdi Dehghan, and Hossein Pedram. Upper and lower bounds for dynamic cluster assignment for multi-target tracking

in heterogeneous wsns. *J. Parallel Distrib. Comput.*, 73(10):1389–1399, 2013.

[87] Andrew Nere, Sean Franey, Atif Hashmi, and Mikko Lipasti. Simulating cortical networks on heterogeneous multi-gpu systems. *J. Parallel Distrib. Comput.*, 73(7):953–971, 2013.

[88] Tan Nguyen, Daniel Hefenbrock, Jason Oberg, Ryan Kastner, and Scott Baden. A software-based dynamic-warp scheduling approach for load-balancing the viola-jones face detection algorithm on gpus. *J. Parallel Distrib. Comput.*, 73(5):677–685, 2013.

[89] Bogdan Nicolae and Franck Cappello. Blobcr: Virtual disk based checkpoint-restart for hpc applications on iaas clouds. *J. Parallel Distrib. Comput.*, 73(5):698–711, 2013.

[90] Olga Nikolova, Jaroslaw Zola, and Srinivas Aluru. Parallel globally optimal structure learning of bayesian networks. *J. Parallel Distrib. Comput.*, 73(8):1039–1048, 2013.

[91] Alfred J. Park and Kalyan S. Perumalla. Efficient heterogeneous execution on large multicore and accelerator platforms: Case study using a block tridiagonal solver. *J. Parallel Distrib. Comput.*, 73(12):1578–1591, 2013.

[92] Liu Peng, Guangming Tan, Rajiv K. Kalia, Aiichiro Nakano, Priya Vashishta, Dongrui Fan, Hao Zhang, and Fenglong Song. Scalability study of molecular dynamics simulation on godson-t many-core architecture. *J. Parallel Distrib. Comput.*, 73(11):1469–1482, 2013.

[93] S.J. Pennycook, S.D. Hammond, S.A. Wright, J.A. Herdman, I. Miller, and S.A. Jarvis. An investigation of the performance portability of opencl. *J. Parallel Distrib. Comput.*, 73(11):1439–1450, 2013.

[94] Juan C. Pichel and Francisco F. Rivera. Sparse matrix-vector multiplication on the single-chip cloud computer many-core processor. *J. Parallel Distrib. Comput.*, 73(12):1539–1550, 2013.

[95] Frédéric Pinel, Bernabé Dorronsoro, and Pascal Bouvry. Solving very large instances of the scheduling of independent tasks problem on the gpu. *J. Parallel Distrib. Comput.*, 73(1):101–110, 2013.

[96] Todd Plantenga. Inexact subgraph isomorphism in mapreduce. *J. Parallel Distrib. Comput.*, 73(2):164–175, 2013.

[97] Hari K. Raghavan and Sathish S. Vadhiyar. Efficient asynchronous executions of amr computations and visualization on a gpu system. *J. Parallel Distrib. Comput.*, 73(6):866–875, 2013.

[98] 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.

[99] Christian Schulz. Efficient local search on the gpu — investigations on the vehicle routing problem. *J. Parallel Distrib. Comput.*, 73(1):14–31, 2013.

[100] Sudip K. Seal, Kalyan S. Perumalla, and Steven P. Hirshman. Revisiting parallel cyclic reduction and parallel prefix-based algorithms for block tridiagonal systems of equations. *J. Parallel Distrib. Comput.*, 73(2):273–280, 2013.

[101] Seetharami Seelam, Liana Fong, Asser Tantawi, John Lewars, John Divirgilio, and Kevin Gildea. Extreme scale computing: Modeling the impact of system noise in multi-core clustered systems. *J. Parallel Distrib. Comput.*, 73(7):898–910, 2013.

[102] Qi Shi, Ning Zhang, Madjid Merabti, and Kashif Kifayat. Resource-efficient authentic key establishment in heterogeneous wireless sensor networks. *J. Parallel Distrib. Comput.*, 73(2):235–249, 2013.

[103] Wann-Yun Shieh and Chin-Ching Pong. Energy and transition-aware runtime task scheduling for multicore processors. *J. Parallel Distrib. Comput.*, 73(9):1225–1238, 2013.

[104] Po-Chi Shih, Kuo-Chan Huang, Che-Rung Lee, I-Hsin Chung, and Yeh-Ching Chung. Tla: Temporal look-ahead processor allocation method for heterogeneous multi-cluster systems. *J. Parallel Distrib. Comput.*, 73(12):1661–1672, 2013.

[105] F. Silber-Chaussumier, A. Muller, and R. Habel. Generating data transfers for distributed gpu parallel programs. *J. Parallel Distrib. Comput.*, 73(12):1649–1660, 2013.

[106] Mostafa I. Soliman. Design, implementation, and evaluation of a low-complexity vector-core for executing scalar/vector instructions. *J. Parallel Distrib. Comput.*, 73(6):836–850, 2013.

[107] Mostafa I. Soliman and Abdulmajid F. Al-Junaid. A shared matrix unit for a chip multi-core processor. *J. Parallel Distrib. Comput.*, 73(8):1146–1156, 2013.

[108] Simon Spacey, Wayne Luk, Daniel Kuhn, and Paul H.J. Kelly. Parallel partitioning for distributed systems using sequential assignment. *J. Parallel Distrib. Comput.*, 73(2):207–219, 2013.

[109] Gong Su and Arun Iyengar. Avoiding disruptive failovers in transaction processing systems with multiple active nodes. *J. Parallel Distrib. Comput.*, 73(5):630–640, 2013.

[110] Vaibhav Sundriyal, Masha Sosonkina, Alexander Gaenko, and Zhao Zhang. Energy saving strategies for parallel applications with point-to-point communication phases. *J. Parallel Distrib. Comput.*, 73(8):1157–1169, 2013.

[111] Lukasz G. Szafaryn, Todd Gamblin, Bronis R. de Supinski, and Kevin Skadron. Trellis: Portability across architectures with a high-level framework. *J. Parallel Distrib. Comput.*, 73(10):1400–1413, 2013.

[112] Wei Tang, Narayan Desai, Daniel Buettner, and Zhiling Lan. Job scheduling with adjusted runtime estimates on production supercomputers. *J. Parallel Distrib. Comput.*, 73(7):926–938, 2013.

[113] I-Wei Ting and Yeim-Kuan Chang. Improved group-based cooperative caching scheme for mobile ad hoc networks. *J. Parallel Distrib. Comput.*, 73(5):595–607, 2013.

[114] Nikos Tziritas, Samee Ullah Khan, Cheng-Zhong Xu, Thanasis Loukopoulos, and Spyros Lalis. On minimizing the resource consumption of cloud applications using process migrations. *J. Parallel Distrib. Comput.*, 73(12):1690–1704, 2013.

[115] Sujatha R. Upadhyaya. Parallel approaches to machine learning — a comprehensive survey. *J. Parallel Distrib. Comput.*, 73(3):284–292, 2013.

[116] Daniel Valdez-Balderas, José M. Domínguez, Benedict D. Rogers, and Alejandro J.C. Crespo. Towards accelerating smoothed particle hydrodynamics simulations for free-surface flows on multi-gpu clusters. *J. Parallel Distrib. Comput.*, 73(11):1483–1493, 2013.

[117] Juan A. Villar, Francisco J. Andújar, José L. Sánchez, Francisco J. Alfaro, José A. Gámez, and José Duato. Obtaining the optimal configuration of high-radix combined switches. *J. Parallel Distrib. Comput.*, 73(9):1239–1250, 2013.

[118] Moisés Viñas, Zeki Bozkus, and Basilio B. Fraguela. Exploiting heterogeneous parallelism with the heterogeneous programming library. *J. Parallel Distrib. Comput.*, 73(12):1627–1638, 2013.

[119] Hui Wang, Shahryar Rahnamayan, and Zhijian Wu. Parallel differential evolution with self-adapting control parameters and generalized opposition-based learning for solving high-dimensional optimization problems. *J. Parallel Distrib. Comput.*, 73(1):62–73, 2013.

[120] Xiaonan Wang and Shan Zhong. Research on ipv6 address configuration for a vanet. *J. Parallel Distrib. Comput.*, 73(6):757–766, 2013.

[121] Xingwei Wang, Hui Cheng, Keqin Li, Jie Li, and Jiajia Sun. A cross-layer optimization based integrated routing and grooming algorithm for green multi-granularity transport networks. *J. Parallel Distrib. Comput.*, 73(6):807–822, 2013.

[122] Haitao Wei, Mingkang Qin, Weiwei Zhang, Junqing Yu, Dongrui Fan, and Guang R. Gao. Streamtmc: Stream compilation for tiled multicore architectures. *J. Parallel Distrib. Comput.*, 73(4):484–494, 2013.

[123] Dennis Weyland, Roberto Montemanni, and Luca Maria Gambardella. A metaheuristic framework for stochastic combinatorial optimization problems based on gpgpu with a case study on the probabilistic traveling salesman problem with deadlines. *J. Parallel Distrib. Comput.*, 73(1):74–85, 2013.

[124] Gregory Aaron Wilkin and Patrick Eugster. Multicasting in the presence of aggregated deliveries. *J. Parallel Distrib. Comput.*, 73(4):544–556, 2013.

[125] Peter Wittek and Sándor Darányi. Accelerating text mining workloads in a mapreduce-based distributed gpu environment. *J. Parallel Distrib. Comput.*, 73(2):198–206, 2013.

[126] Di Wu, Lichun Bao, Amelia C. Regan, and Carolyn L. Talcott. Large-scale access scheduling in wireless mesh networks using social centrality. *J. Parallel Distrib. Comput.*, 73(8):1049–1065, 2013.

[127] Gang Wu, Huxing Zhang, Meikang Qiu, Zhong Ming, Jiayin Li, and Xiao Qin. A decentralized approach for mining event correlations in distributed system monitoring. *J. Parallel Distrib. Comput.*, 73(3):330–340, 2013.

[128] Qiang Wu, Canqun Yang, Tao Tang, and Liquan Xiao. Exploiting hierarchy parallelism for molecular dynamics on a petascale heterogeneous system. *J. Parallel Distrib. Comput.*, 73(12):1592–1604, 2013.

[129] Yuming Xu, Kenli Li, Ligang He, and Tung Khac Truong. A dag scheduling scheme on heterogeneous computing systems using double molecular structure-based chemical reaction optimization. *J. Parallel Distrib. Comput.*, 73(9):1306–1322, 2013.

[130] Jing Yan, Xin-ping Guan, Xiao-yuan Luo, and Cai-lian Chen. A cooperative pursuit-evasion game in wireless sensor and actor networks. *J. Parallel Distrib. Comput.*, 73(9):1267–1276, 2013.

[131] Weizhong Yan, Umang Brahmakshatriya, Ya Xue, Mark Gilder, and Bowden Wise. *p*-pic: Parallel power iteration clustering for big data. *J. Parallel Distrib. Comput.*, 73(3):352–359, 2013.

[132] Jing Ye, Andrew M. Wallace, Abdallah Al Zain, and John Thompson. Parallel bayesian inference of range and reflectance from ladar profiles. *J. Parallel Distrib. Comput.*, 73(4):383–399, 2013.

[133] Bo Yu, Cheng-Zhong Xu, and Bin Xiao. Detecting sybil attacks in vanets. *J. Parallel Distrib. Comput.*, 73(6):746–756, 2013.

[134] Man (Mike) Yuan, Johnnie W. Baker, and Will C. Meilander. Comparisons of air traffic control implementations on an associative processor with a mimd and consequences for parallel computing. *J. Parallel Distrib. Comput.*, 73(2):256–272, 2013.

[135] Sharrukh Zaman and Daniel Grosu. Combinatorial auction-based allocation of virtual machine instances in clouds. *J. Parallel Distrib. Comput.*, 73(4):495–508, 2013.

[136] Yaxiong Zhao and Jie Wu. Building a reliable and high-performance content-based publish/subscribe system. *J. Parallel Distrib. Comput.*, 73(4):371–382, 2013.

[137] Wei Zheng and Rizos Sakellariou. Stochastic dag scheduling using a monte carlo approach. *J. Parallel Distrib. Comput.*, 73(12):1673–1689, 2013.