References

[1] James H. Anderson and Yong-Jik Kim. A generic local-spin fetch-and-ϕ-based mutual exclusion algorithm. *J. Parallel Distrib. Comput.*, 67(5):551–580, 2007.

[2] Nazareno Andrade, Francisco Brasileiro, Walfredo Cirne, and Miranda Mowbray. Automatic grid assembly by promoting collaboration in peer-to-peer grids. *J. Parallel Distrib. Comput.*, 67(8):957–966, 2007.

[3] Danilo Ardagna, Marco Trubian, and Li Zhang. Sla based resource allocation policies in autonomic environments. *J. Parallel Distrib. Comput.*, 67(3):259–270, 2007.

[4] Shah Asaduzzaman and Muthucumaru Maheswaran. Strategies to create platforms for differentiated services from dedicated and opportunistic resources. *J. Parallel Distrib. Comput.*, 67(10):1119–1134, 2007.

[5] Katerina Asdre, Stavros D. Nikolopoulos, and Charis Papadopoulos. An optimal parallel solution for the path cover problem on p_4-sparse graphs. *J. Parallel Distrib. Comput.*, 67(1):63–76, 2007.

[6] Ranganath Atreya, Neeraj Mittal, Ajay D. Kshemkalyani, Vijay K. Garg, and Mukesh Singhal. Efficient detection of a locally stable predicate in a distributed system. *J. Parallel Distrib. Comput.*, 67(4):369–385, 2007.

[7] Cevdet Aykanat, B. Barla Cambazoglu, Ferit Findik, and Tahsin Kurc. Adaptive decomposition and remapping algorithms for object-space-parallel direct volume rendering of unstructured grids. *J. Parallel Distrib. Comput.*, 67(1):77–99, 2007.

[8] Rendong Bai, Mukesh Singhal, and Yongwei Wang. On supporting high-throughput routing metrics in on-demand routing protocols for multi-hop wireless networks. *J. Parallel Distrib. Comput.*, 67(10):1108–1118, 2007.

[9] Azzedine Boukerche, Alba Cristina Magalhaes Alves de Melo, Mauricio Ayala-Rincón, and Maria Emília Machado Telles Walter. Parallel strategies for the local biological sequence alignment in a cluster of workstations. *J. Parallel Distrib. Comput.*, 67(2):170–185, 2007.

[10] Costas Busch, Malik Magdon-Ismail, and Marios Mavronicolas. Efficient bufferless packet switching on trees and leveled networks. *J. Parallel Distrib. Comput.*, 67(11):1168–1186, 2007.

[11] Ioannis Chatzigiannakis, Athanasios Kinalis, and Sotiris Nikoletseas. Fault-tolerant and efficient data propagation in wireless sensor networks using local, additional network information. *J. Parallel Distrib. Comput.*, 67(4):456–473, 2007.

[12] Ming Chau, Didier El Baz, Ronan Guivarch, and Pierre Spiteri. Mpi implementation of parallel subdomain methods for linear and nonlinear convection-diffusion problems. *J. Parallel Distrib. Comput.*, 67(5):581–591, 2007.

[13] Jianer Chen, GaoCai Wang, Chuang Lin, Tao Wang, and GuoJun Wang. Probabilistic analysis on mesh network fault tolerance. *J. Parallel Distrib. Comput.*, 67(1):100–110, 2007.

[14] Hongmei Chi and Edward L. Jones. Generating parallel quasirandom sequences via randomization. *J. Parallel Distrib. Comput.*, 67(7):876–881, 2007.

[15] Manuel Díaz, Bartolomé Rubio, and José M. Troya. A tuple channel-based coordination model for parallel and distributed programming. *J. Parallel Distrib. Comput.*, 67(10):1092–1107, 2007.

[16] Alphan Es and Veysi İşler. Accelerated regular grid traversals using extended anisotropic chessboard distance fields on a parallel stream processor. *J. Parallel Distrib. Comput.*, 67(11):1201–1217, 2007.

[17] Yaser Pourmohammadi Fallah and Hussein Alnuweiri. Hybrid polling and contention access scheduling in ieee 802.11e wlans. *J. Parallel Distrib. Comput.*, 67(2):242–256, 2007.

[18] Jianxi Fan, Xiaola Lin, Yi Pan, and Xiaohua Jia. Optimal fault-tolerant embedding of paths in twisted cubes. *J. Parallel Distrib. Comput.*, 67(2):205–214, 2007.

[19] Yuhong Feng, Wentong Cai, and Jiannong Cao. Dynamic partner identification in mobile agent-based distributed job workflow execution. *J. Parallel Distrib. Comput.*, 67(11):1137–1154, 2007.

[20] Yaacov Fernandess and Dahlia Malkhi. On collaborative content distribution using multi-message gossip. *J. Parallel Distrib. Comput.*, 67(12):1232–1239, 2007.

[21] Michele Flammini, Mordechai Shalom, and Shmuel Zaks. On minimizing the number of admss — tight bounds for an algorithm without preprocessing. *J. Parallel Distrib. Comput.*, 67(4):448–455, 2007.

[22] Rajiv Gandhi and Srinivasan Parthasarathy. Distributed algorithms for connected domination in wireless networks. *J. Parallel Distrib. Comput.*, 67(7):848–862, 2007.

[23] Mina Guirguis, Azer Bestavros, Ibrahim Matta, and Yuting Zhang. Adversarial exploits of end-systems adaptation dynamics. *J. Parallel Distrib. Comput.*, 67(3):318–335, 2007.

[24] Ananya Gupta, Anindo Mukherjee, Bin Xie, and Dharma P. Agrawal. Decentralized key generation scheme for cellular-based heterogeneous wireless ad hoc networks. *J. Parallel Distrib. Comput.*, 67(9):981–991, 2007.

[25] N. Gupta and S. Chopra. Output-sensitive algorithms for optimally constructing the upper envelope of straight line segments in parallel. *J. Parallel Distrib. Comput.*, 67(7):772–782, 2007.

[26] Phuong Hoai Ha, Marina Papatriantafilou, and Philippas Tsigas. Self-tuning reactive diffracting trees. *J. Parallel Distrib. Comput.*, 67(6):674–694, 2007.

[27] Bo Han and Weijia Jia. Clustering wireless ad hoc networks with weakly connected dominating set. *J. Parallel Distrib. Comput.*, 67(6):727–737, 2007.

[28] Qi Han, Sharad Mehrotra, and Nalini Venkatasubramanian. Application-aware integration of data collection and power management in wireless sensor networks. *J. Parallel Distrib. Comput.*, 67(9):992–1006, 2007.

[29] Thomas E. Hart, Paul E. McKenney, Angela Demke Brown, and Jonathan Walpole. Performance of memory reclamation for lockless synchronization. *J. Parallel Distrib. Comput.*, 67(12):1270–1285, 2007.

[30] H. Hashemi-Najafabadi and H. Sarbazi-Azad. Mathematical performance modelling of adaptive wormhole routing in optoelectronic hypercubes. *J. Parallel Distrib. Comput.*, 67(9):967–980, 2007.

[31] Hongmei He, Ondrej Sykora, Ana Salagean, and Erkki Mäkinen. Parallelisation of genetic algorithms for the 2-page crossing number problem. *J. Parallel Distrib. Comput.*, 67(2):229–241, 2007.

[32] Tzu-Lun Huang and D.T. Lee. A distributed multicast routing algorithm for real-time applications in wide area networks. *J. Parallel Distrib. Comput.*, 67(5):516–530, 2007.

[33] Eduardo Javier Huerta Yero and Marco Aurélio Amaral Henriques. Speedup and scalability analysis of master-slave applications on large heterogeneous clusters. *J. Parallel Distrib. Comput.*, 67(11):1155–1167, 2007.

[34] N. Imani, H. Sarbazi-Azad, and A.Y. Zomaya. Capturing an intruder in product networks. *J. Parallel Distrib. Comput.*, 67(9):1018–1028, 2007.

[35] Taisuke Izumi, Akinori Saitoh, and Toshimitsu Masuzawa. Adaptive timeliness of consensus in presence of crash and timing faults. *J. Parallel Distrib. Comput.*, 67(6):648–658, 2007.

[36] A. Kalyanaraman, S.J. Emrich, P.S. Schnable, and S. Aluru. Assembling genomes on large-scale parallel computers. *J. Parallel Distrib. Comput.*, 67(12):1240–1255, 2007.

[37] Kamer Kaya, Bora Uçar, and Cevdet Aykanat. Heuristics for scheduling file-sharing tasks on heterogeneous systems with distributed repositories. *J. Parallel Distrib. Comput.*, 67(3):271–285, 2007.

[38] B.T. Benjamin Khoo, Bharadwaj Veeravalli, Terence Hung, and C.W. Simon See. A multi-dimensional scheduling scheme in a grid computing environment. *J. Parallel Distrib. Comput.*, 67(6):659–673, 2007.

[39] Jik-Soo Kim, Henrique Andrade, and Alan Sussman. Principles for designing data-/compute-intensive distributed applications and middleware systems for heterogeneous environments. *J. Parallel Distrib. Comput.*, 67(7):755–771, 2007.

[40] Jong-Kook Kim, Sameer Shivle, Howard Jay Siegel, Anthony A. Maciejewski, Tracy D. Braun, Myron Schneider, Sonja Tideman, Ramakrishna Chitta, Raheleh B. Dilmaghani, Rohit Joshi, Aditya Kaul, Ashish Sharma, Siddhartha Sripada, Praveen Vangari, and Siva Sankar Yellampalli. Dynamically mapping tasks with priorities and multiple deadlines in a heterogeneous environment. *J. Parallel Distrib. Comput.*, 67(2):154–169, 2007.

[41] Dimitrios Koukopoulos, Marios Mavronicolas, and Paul Spirakis. Performance and stability bounds for dynamic networks. *J. Parallel Distrib. Comput.*, 67(4):386–399, 2007.

[42] Chunlin Li and Layuan Li. Utility-based qos optimisation strategy for multi-criteria scheduling on the grid. *J. Parallel Distrib. Comput.*, 67(2):142–153, 2007.

[43] Shuo-Yen Robert Li and Xuesong Jonathan Tan. Recursive construction of parallel distribution networks. *J. Parallel Distrib. Comput.*, 67(6):617–634, 2007.

[44] Xiaorong Li, Bharadwaj Veeravalli, and Viktor K. Prasanna. A window-assisted video partitioning strategy for partitioning and caching video streams in distributed multimedia systems. *J. Parallel Distrib. Comput.*, 67(6):738–754, 2007.

[45] Chow-Sing Lin and Yi-Chi Cheng. P2mcmd: A scalable approach to vod service over peer-to-peer networks. *J. Parallel Distrib. Comput.*, 67(8):903–921, 2007.

[46] Chuan-Ming Liu, Chuan-Hsiu Lee, and Li-Chun Wang. Distributed clustering algorithms for data-gathering in wireless mobile sensor networks. *J. Parallel Distrib. Comput.*, 67(11):1187–1200, 2007.

[47] Ke Liu, Nael Abu-Ghazaleh, and Kyoung-Don Kang. Location verification and trust management for resilient geographic routing. *J. Parallel Distrib. Comput.*, 67(2):215–228, 2007.

[48] Peter Kok Keong Loh, Wen Jing Hsu, and Yi Pan. Reliable and efficient communications in sensor networks. *J. Parallel Distrib. Comput.*, 67(8):922–934, 2007.

[49] Diana H.P. Low, Bharadwaj Veeravalli, and David A. Bader. On the design of high-performance algorithms for aligning multiple protein sequences on mesh-based multiprocessor architectures. *J. Parallel Distrib. Comput.*, 67(9):1007–1017, 2007.

[50] Ping Luo, Kevin Lu, and Zhongzhi Shi. A revisit of fast greedy heuristics for mapping a class of independent tasks onto heterogeneous computing systems. *J. Parallel Distrib. Comput.*, 67(6):695–714, 2007.

[51] Nihar R. Mahapatra and Shantanu Dutt. An efficient delay-optimal distributed termination detection algorithm. *J. Parallel Distrib. Comput.*, 67(10):1047–1066, 2007.

[52] Partha Sarathi Mandal and Krishnendu Mukhopadhyaya. Self-stabilizing algorithm for checkpointing in a distributed system. *J. Parallel Distrib. Comput.*, 67(7):816–829, 2007.

[53] Panagiotis D. Michailidis and Konstantinos G. Margaritis. A programmable array processor architecture for flexible approximate string matching algorithms. *J. Parallel Distrib. Comput.*, 67(2):131–141, 2007.

[54] William F. Mitchell. A refinement-tree based partitioning method for dynamic load balancing with adaptively refined grids. *J. Parallel Distrib. Comput.*, 67(4):417–429, 2007.

[55] Neeraj Mittal and Prajwal K. Mohan. A priority-based distributed group mutual exclusion algorithm when group access is non-uniform. *J. Parallel Distrib. Comput.*, 67(7):797–815, 2007.

[56] Anna Morajko, Tomàs Margalef, and Emilio Luque. Design and implementation of a dynamic tuning environment. *J. Parallel Distrib. Comput.*, 67(4):474–490, 2007.

[57] Achour Mostefaoui, Sergio Rajsbaum, Michel Raynal, and Corentin Travers. From $\diamond\sqsupseteq$ to ω: A simple bounded quiescent reliable broadcast-based transformation. *J. Parallel Distrib. Comput.*, 67(1):125–129, 2007.

[58] Angeles Navarro, Francisco Corbera, Adrian Tineo, Rafael Asenjo, and Emilio L. Zapata. Detecting loop-carried dependences in programs with dynamic data structures. *J. Parallel Distrib. Comput.*, 67(1):47–62, 2007.

[59] Virginia Niculescu. Cost-efficient parallel programs based on set-distributions for polynomial interpolation. *J. Parallel Distrib. Comput.*, 67(8):935–946, 2007.

[60] Robert W. Numrich. A note on scaling the linpack benchmark. *J. Parallel Distrib. Comput.*, 67(4):491–498, 2007.

[61] Kyungoh Ohn and Haengrae Cho. Path conscious caching of b^+ tree indexes in a shared disks cluster. *J. Parallel Distrib. Comput.*, 67(3):286–301, 2007.

[62] Stephan Olariu, Mohamed Eltoweissy, and Mohamed Younis. Answer: Autonomous networked sensor system. *J. Parallel Distrib. Comput.*, 67(1):111–124, 2007.

[63] Franck Petit and Vincent Villain. Optimal snap-stabilizing depth-first token circulation in tree networks. *J. Parallel Distrib. Comput.*, 67(1):1–12, 2007.

[64] Erion Plaku and Lydia E. Kavraki. Distributed computation of the $k$nn graph for large high-dimensional point sets. *J. Parallel Distrib. Comput.*, 67(3):346–359, 2007.

[65] Olivier Powell, Pierre Leone, and José Rolim. Energy optimal data propagation in wireless sensor networks. *J. Parallel Distrib. Comput.*, 67(3):302–317, 2007.

[66] Resit Sendag, Ayse Yilmazer, Joshua J. Yi, and Augustus K. Uht. The impact of wrong-path memory references in cache-coherent multiprocessor systems. *J. Parallel Distrib. Comput.*, 67(12):1256–1269, 2007.

[67] Ohad Shacham, Mooly Sagiv, and Assaf Schuster. Scaling model checking of dataraces using dynamic information. *J. Parallel Distrib. Comput.*, 67(5):536–550, 2007.

[68] Xipeng Shen, Yutao Zhong, and Chen Ding. Predicting locality phases for dynamic memory optimization. *J. Parallel Distrib. Comput.*, 67(7):783–796, 2007.

[69] Prasanna Sugavanam, H.J. Siegel, Anthony A. Maciejewski, Mohana Oltikar, Ashish Mehta, Ron Pichel, Aaron Horiuchi, Vladimir Shestak,

Mohammad Al-Otaibi, Yogish Krishnamurthy, Syed Ali, Junxing Zhang, Mahir Aydin, Panho Lee, Kumara Guru, Michael Raskey, and Alan Pippin. Robust static allocation of resources for independent tasks under makespan and dollar cost constraints. *J. Parallel Distrib. Comput.*, 67(4):400–416, 2007.

[70] Javid Taheri and Albert Y. Zomaya. Clustering techniques for dynamic location management in mobile computing. *J. Parallel Distrib. Comput.*, 67(4):430–447, 2007.

[71] Sylvia Tai, Robert R. Benkoczi, Hossam Hassanein, and Selim G. Akl. Qos and data relaying for wireless sensor networks. *J. Parallel Distrib. Comput.*, 67(6):715–726, 2007.

[72] Alexander Totok and Vijay Karamcheti. Modeling of concurrent web sessions with bounded inconsistency in shared data. *J. Parallel Distrib. Comput.*, 67(7):830–847, 2007.

[73] George Tsouloupas and Marios D. Dikaiakos. Gridbench: A tool for the interactive performance exploration of grid infrastructures. *J. Parallel Distrib. Comput.*, 67(9):1029–1045, 2007.

[74] Dekel Tsur. Improved scheduling in rings. *J. Parallel Distrib. Comput.*, 67(5):531–535, 2007.

[75] Yoshio Turner and Yuval Tamir. Deadlock-free connection-based adaptive routing with dynamic virtual circuits. *J. Parallel Distrib. Comput.*, 67(1):13–32, 2007.

[76] Bora Uçar, Cevdet Aykanat, Mustafa Ç. Pinar, and Tahir Malas. Parallel image restoration using surrogate constraint methods. *J. Parallel Distrib. Comput.*, 67(2):186–204, 2007.

[77] Akshat Verma and Ashok Anand. General store placement for response time minimization in parallel disks. *J. Parallel Distrib. Comput.*, 67(12):1286–1300, 2007.

[78] Qin Wang, Joseph JaJa, and Amitabh Varshney. An efficient and scalable parallel algorithm for out-of-core isosurface extraction and rendering. *J. Parallel Distrib. Comput.*, 67(5):592–603, 2007.

[79] Xue Wang and Sheng Wang. Collaborative signal processing for target tracking in distributed wireless sensor networks. *J. Parallel Distrib. Comput.*, 67(5):501–515, 2007.

[80] Yuh-Rau Wang. An efficient $o(1)$ time 3d all nearest neighbor algorithm from image processing perspective. *J. Parallel Distrib. Comput.*, 67(10):1082–1091, 2007.

[81] Zhonghang Xia, Wei Hao, and I-Ling Yen. A distributed integrated request processing algorithm for qos assurance in large-scale media-based systems. *J. Parallel Distrib. Comput.*, 67(7):863–875, 2007.

[82] Bin Xiao, Bo Yu, and Chuanshan Gao. Chemas: Identify suspect nodes in selective forwarding attacks. *J. Parallel Distrib. Comput.*, 67(11):1218–1230, 2007.

[83] Lin Xiao, Stephen Boyd, and Seung-Jean Kim. Distributed average consensus with least-mean-square deviation. *J. Parallel Distrib. Comput.*, 67(1):33–46, 2007.

[84] Tao Xie and Xiao Qin. Performance evaluation of a new scheduling algorithm for distributed systems with security heterogeneity. *J. Parallel Distrib. Comput.*, 67(10):1067–1081, 2007.

[85] Kai Xing, Xiuzhen Cheng, Fang Liu, and Shmuel Rotenstreich. Location-centric storage for safety warning based on roadway sensor networks. *J. Parallel Distrib. Comput.*, 67(3):336–345, 2007.

[86] Mengkun Yang and Zongming Fei. A cooperative failure detection mechanism for overlay multicast. *J. Parallel Distrib. Comput.*, 67(6):635–647, 2007.

[87] Ming-Chien Yang, Jimmy J.M. Tan, and Lih-Hsing Hsu. Hamiltonian circuit and linear array embeddings in faulty k-ary n-cubes. *J. Parallel Distrib. Comput.*, 67(4):362–368, 2007.

[88] Xuehai Zhang, Jeffrey L. Freschl, and Jennifer M. Schopf. Scalability analysis of three monitoring and information systems: Mds2, r-gma-gma, and hawkeye. *J. Parallel Distrib. Comput.*, 67(8):883–902, 2007.

[89] Mengxia Zhu, Qishi Wu, Nageswara S.V. Rao, and Sitharama Iyengar. Optimal pipeline decomposition and adaptive network mapping to support distributed remote visualization. *J. Parallel Distrib. Comput.*, 67(8):947–956, 2007.

[90] Yingwu Zhu and Yiming Hu. Efficient semantic search on dht overlays. *J. Parallel Distrib. Comput.*, 67(5):604–616, 2007.