

## References

- [1] Sachin Agarwal, Moshe Laifenfeld, Andrew Hagedorn, Ari Trachtenberg, and Murat Alanyali. Fair and distributed peer-to-peer allocation of a common, refillable resource. *J. Parallel Distrib. Comput.*, 69(12):974–988, 2009.
- [2] Kemal Akkaya, Fatih Senel, and Brian McLaughlan. Clustering of wireless sensor and actor networks based on sensor distribution and connectivity. *J. Parallel Distrib. Comput.*, 69(6):573–587, 2009.
- [3] Francisco J. Alfaro, José L. Sánchez, and José Duato. A new strategy to manage the infiniband arbitration tables. *J. Parallel Distrib. Comput.*, 69(6):508–520, 2009.
- [4] Christos D. Antonopoulos, Filip Blagojevic, Andrey N. Chernikov, Nikos P. Chrisochoides, and Dimitrios S. Nikolopoulos. Algorithm, software, and hardware optimizations for delaunay mesh generation on simultaneous multithreaded architectures. *J. Parallel Distrib. Comput.*, 69(7):601–612, 2009.
- [5] Christos D. Antonopoulos, Filip Blagojevic, Andrey N. Chernikov, Nikos P. Chrisochoides, and Dimitrios S. Nikolopoulos. A multigrain delaunay mesh generation method for multicore smt-based architectures. *J. Parallel Distrib. Comput.*, 69(7):589–600, 2009.
- [6] Jr. Arantes, Gladstone M., Felipe M.G. França, and Carlos A. Martinhon. Randomized generation of acyclic orientations upon anonymous distributed systems. *J. Parallel Distrib. Comput.*, 69(3):239–246, 2009.
- [7] Gal Badishi, Germano Caronni, Idit Keidar, Raphael Rom, and Glenn Scott. Deleting files in the celeste peer-to-peer storage system. *J. Parallel Distrib. Comput.*, 69(7):613–622, 2009.
- [8] Yosi Ben Asher and Moshe Yuda. Source level merging of independent programs. *J. Parallel Distrib. Comput.*, 69(6):521–531, 2009.
- [9] Petra Berenbrink, Tom Friedetzky, and Zengjian Hu. A new analytical method for parallel, diffusion-type load balancing. *J. Parallel Distrib. Comput.*, 69(1):54–61, 2009.

- [10] Veeravalli Bharadwaj and Han Min Wong. Handling biological sequence alignments on networked computing systems: A divide-and-conquer approach. *J. Parallel Distrib. Comput.*, 69(10):854–865, 2009.
- [11] George Bosilca, Rémi Delmas, Jack Dongarra, and Julien Langou. Algorithm-based fault tolerance applied to high performance computing. *J. Parallel Distrib. Comput.*, 69(4):410–416, 2009.
- [12] Wojciech Bożejko. Solving the flow shop problem by parallel programming. *J. Parallel Distrib. Comput.*, 69(5):470–481, 2009.
- [13] Surendra Byna and Xian-He Sun. Special issue of the journal of parallel and distributed computing: Data-intensive computing. *J. Parallel Distrib. Comput.*, 69(11):937–937, 2009.
- [14] Bogdan Carbunar, Murali Krishna Ramanathan, Mehmet Koyutürk, Suresh Jagannathan, and Ananth Grama. Efficient tag detection in rfid systems. *J. Parallel Distrib. Comput.*, 69(2):180–196, 2009.
- [15] Umit V. Catalyurek, Erik G. Boman, Karen D. Devine, Doruk Bozdağ, Robert T. Heaphy, and Lee Ann Riesen. A repartitioning hypergraph model for dynamic load balancing. *J. Parallel Distrib. Comput.*, 69(8):711–724, 2009.
- [16] Chien-Ping Chang and Chia-Ching Wu. Conditional fault diameter of crossed cubes. *J. Parallel Distrib. Comput.*, 69(1):91–99, 2009.
- [17] Chih-Yung Chang, Yu-Chieh Chen, Li-Ling Hung, and Sheng-Wen Chang. A novel multi-channel mac protocol with directional antenna for enhancing spatial reuse and bandwidth utilization in wlans. *J. Parallel Distrib. Comput.*, 69(10):824–837, 2009.
- [18] Hung-Yu Chien and Chi-Sung Laih. Ecc-based lightweight authentication protocol with untraceability for low-cost rfid. *J. Parallel Distrib. Comput.*, 69(10):848–853, 2009.
- [19] Teo Tse Chin, Bharadwaj Veeravalli, and Jingxi Jia. Handling large-size discrete wavelet transform on network-based computing systems — parallelization via divisible load paradigm. *J. Parallel Distrib. Comput.*, 69(2):143–152, 2009.

- [20] Laukik Chitnis, Alin Dobra, and Sanjay Ranka. Analyzing the techniques that improve fault tolerance of aggregation trees in sensor networks. *J. Parallel Distrib. Comput.*, 69(12):950–960, 2009.
- [21] Laukik Chitnis, Alin Dobra, and Sanjay Ranka. Fault tolerant aggregation in heterogeneous sensor networks. *J. Parallel Distrib. Comput.*, 69(2):210–219, 2009.
- [22] Gregory Chockler, Eliezer Dekel, Joseph JaJa, and Jimmy Lin. Special issue of the journal of parallel and distributed computing: Cloud computing. *J. Parallel Distrib. Comput.*, 69(9):813–813, 2009.
- [23] Gregory Chockler, Seth Gilbert, Vincent Gramoli, Peter M. Musial, and Alex A. Shvartsman. Reconfigurable distributed storage for dynamic networks. *J. Parallel Distrib. Comput.*, 69(1):100–116, 2009.
- [24] Vicent Cholvi, Ernesto Jiménez, and Antonio Fernández Anta. Interconnection of distributed memory models. *J. Parallel Distrib. Comput.*, 69(3):295–306, 2009.
- [25] Yu-Chi Chung, Lanturn Lin, and Chiang Lee. Scheduling non-uniform data with expected-time constraint in wireless multi-channel environments. *J. Parallel Distrib. Comput.*, 69(3):247–260, 2009.
- [26] Yi-Wei Ci, Zhan Zhang, De-Cheng Zuo, and Xiao-Zong Yang. Message fragment based causal message logging. *J. Parallel Distrib. Comput.*, 69(11):915–921, 2009.
- [27] Brian J. d'Auriol and Juan René Roldán. An optical power budget model for the parameterized linear array with a reconfigurable pipelined bus system (larpbs(p)) model. *J. Parallel Distrib. Comput.*, 69(10):815–823, 2009.
- [28] Yang Ding, Mahmut Kandemir, Padma Raghavan, and Mary Jane Irwin. Adapting application execution in cmps using helper threads. *J. Parallel Distrib. Comput.*, 69(9):790–806, 2009.
- [29] Clémentin Tayou Djamegni, Patrice Quinton, Sanjay Rajopadhye, Tanguy Risset, and Maurice Tchuenté. A reindexing based approach towards mapping of dag with affine schedules onto parallel embedded systems. *J. Parallel Distrib. Comput.*, 69(1):1–11, 2009.

- [30] Hatem M. El-Boghdadi. Power-aware routing for well-nested communications on the circuit switched tree. *J. Parallel Distrib. Comput.*, 69(2):135–142, 2009.
- [31] Qiu Fang, Susan V. Vrbsky, Ming Lei, and Richard Borie. Scheduling on-demand broadcast with timing constraints. *J. Parallel Distrib. Comput.*, 69(8):737–747, 2009.
- [32] Chryssis Georgiou, Nicolas C. Nicolaou, and Alexander A. Shvartsman. Fault-tolerant semifast implementations of atomic read/write registers. *J. Parallel Distrib. Comput.*, 69(1):62–79, 2009.
- [33] Alain Girault, Érik Saule, and Denis Trystram. Reliability versus performance for critical applications. *J. Parallel Distrib. Comput.*, 69(3):326–336, 2009.
- [34] Håkan Grahn. Special issue of the journal of parallel and distributed computing: Transactional memory. *J. Parallel Distrib. Comput.*, 69(9):814–814, 2009.
- [35] Thomas J. Hacker, Fabian Romero, and Christopher D. Carothers. An analysis of clustered failures on large supercomputing systems. *J. Parallel Distrib. Comput.*, 69(7):652–665, 2009.
- [36] Sibsankar Haldar and K. Vidyasankar. On space-optimality of buffer-based conflict-free constructions of 1-writer 1-reader multivalued atomic variables from safe bits. *J. Parallel Distrib. Comput.*, 69(1):20–27, 2009.
- [37] Weiping He and Ing-Ray Chen. A proxy-based integrated cache consistency and mobility management scheme for client-server applications in mobile ip systems. *J. Parallel Distrib. Comput.*, 69(6):559–572, 2009.
- [38] Xubin He, Li Ou, Christian Engelmann, Xin Chen, and Stephen L. Scott. Symmetric active/active metadata service for high availability parallel file systems. *J. Parallel Distrib. Comput.*, 69(12):961–973, 2009.
- [39] Enrique Hernández-Orallo and Joan Vila-Carbó. A proactive backup scheme for reliable real-time transmission. *J. Parallel Distrib. Comput.*, 69(5):482–490, 2009.

- [40] Weirong Jiang and Viktor K. Prasanna. Sequence-preserving parallel ip lookup using multiple sram-based pipelines. *J. Parallel Distrib. Comput.*, 69(9):778–789, 2009.
- [41] Yadnyesh Joshi and Sathish Vadhiyar. Analysis of dna sequence transformations on grids. *J. Parallel Distrib. Comput.*, 69(1):80–90, 2009.
- [42] Ahmed M. Khedr, Walid Osamy, and Dharma P. Agrawal. Perimeter discovery in wireless sensor networks. *J. Parallel Distrib. Comput.*, 69(11):922–929, 2009.
- [43] Dimitri Komatitsch, David Mich  a, and Gordon Erlebacher. Porting a high-order finite-element earthquake modeling application to nvidia graphics cards using cuda. *J. Parallel Distrib. Comput.*, 69(5):451–460, 2009.
- [44] Kishori M. Konwar, Dariusz Kowalski, and Alexander A. Shvartsman. Node discovery in networks. *J. Parallel Distrib. Comput.*, 69(4):337–348, 2009.
- [45] B. Landfeldt. Special issue of the journal of parallel and distributed computing: Advancement of research in wireless access and mobile systems. *J. Parallel Distrib. Comput.*, 69(6):588–588, 2009.
- [46] Xiangdong Lei, Yuelong Zhao, Songqiao Chen, and Xiaoli Yuan. Concurrency control in mobile distributed real-time database systems. *J. Parallel Distrib. Comput.*, 69(10):866–876, 2009.
- [47] Yen-Chun Lin and Li-Ling Hung. Fast problem-size-independent parallel prefix circuits. *J. Parallel Distrib. Comput.*, 69(4):382–388, 2009.
- [48] Cong Liu and Sanjeev Baskiyar. A general distributed scalable grid scheduler for independent tasks. *J. Parallel Distrib. Comput.*, 69(3):307–314, 2009.
- [49] Yi Luo and D. Manivannan. Fine: A fully informed and efficient communication-induced checkpointing protocol for distributed systems. *J. Parallel Distrib. Comput.*, 69(2):153–167, 2009.

- [50] B.S. Manoj, Archana Sekhar, and C. Siva Ram Murthy. A state-space search approach for optimizing reliability and cost of execution in distributed sensor networks. *J. Parallel Distrib. Comput.*, 69(1):12–19, 2009.
- [51] Israel Marck Martínez-Pérez and Karl-Heinz Zimmermann. Parallel bioinspired algorithms for *np* complete graph problems. *J. Parallel Distrib. Comput.*, 69(3):221–229, 2009.
- [52] Henning Meyerhenke, Burkhard Monien, and Thomas Sauerwald. A new diffusion-based multilevel algorithm for computing graph partitions. *J. Parallel Distrib. Comput.*, 69(9):750–761, 2009.
- [53] Cyriel Minkenberg and Mitchell Gusat. Design and performance of speculative flow control for high-radix datacenter interconnect switches. *J. Parallel Distrib. Comput.*, 69(8):680–695, 2009.
- [54] Neeraj Mittal, Srinivasan Krishnamurthy, R. Chandrasekaran, S. Venkatesan, and Yanyan Zeng. On neighbor discovery in cognitive radio networks. *J. Parallel Distrib. Comput.*, 69(7):623–637, 2009.
- [55] Yoram Moses and Michel Raynal. Revisiting simultaneous consensus with crash failures. *J. Parallel Distrib. Comput.*, 69(4):400–409, 2009.
- [56] Thao P. Nghiêm and Tae Ho Cho. A fuzzy-based interleaved multi-hop authentication scheme in wireless sensor networks. *J. Parallel Distrib. Comput.*, 69(5):441–450, 2009.
- [57] Adrian Nistor, Wei-Ngan Chin, Tiow-Seng Tan, and Nicolae Tapus. Optimizing the parallel computation of linear recurrences using compact matrix representations. *J. Parallel Distrib. Comput.*, 69(4):373–381, 2009.
- [58] Michael Noeth, Prasun Ratn, Frank Mueller, Martin Schulz, and Bronis R. de Supinski. Scalatrace: Scalable compression and replay of communication traces for high-performance computing. *J. Parallel Distrib. Comput.*, 69(8):696–710, 2009.
- [59] Luís Nogueira and Luís Miguel Pinho. Time-bounded distributed qos-aware service configuration in heterogeneous cooperative environments. *J. Parallel Distrib. Comput.*, 69(6):491–507, 2009.

- [60] Robert W. Numrich. Computational forces in the sage benchmark. *J. Parallel Distrib. Comput.*, 69(3):315–325, 2009.
- [61] Elena Pagani, Gian Paolo Rossi, and Enrico Pertoso. Orion — ontology-based query routing in overlay networks. *J. Parallel Distrib. Comput.*, 69(1):28–38, 2009.
- [62] Deng Pan and Yuanyuan Yang. Bandwidth guaranteed multicast scheduling for virtual output queued packet switches. *J. Parallel Distrib. Comput.*, 69(12):939–949, 2009.
- [63] Deng Pan and Yuanyuan Yang. Buffer management for lossless service in shared buffer switches. *J. Parallel Distrib. Comput.*, 69(11):885–895, 2009.
- [64] Pitch Patarasuk and Xin Yuan. Bandwidth optimal all-reduce algorithms for clusters of workstations. *J. Parallel Distrib. Comput.*, 69(2):117–124, 2009.
- [65] Carlos Perez-Vidal and Luis Gracia. High speed filtering using reconfigurable hardware. *J. Parallel Distrib. Comput.*, 69(11):896–904, 2009.
- [66] Rodolfo M. Pussente and Valmir C. Barbosa. An algorithm for clock synchronization with the gradient property in sensor networks. *J. Parallel Distrib. Comput.*, 69(3):261–265, 2009.
- [67] Meikang Qiu, Minyi Guo, Meiqin Liu, Chun Jason Xue, Laurence T. Yang, and Edwin H.-M. Sha. Loop scheduling and bank type assignment for heterogeneous multi-bank memory. *J. Parallel Distrib. Comput.*, 69(6):546–558, 2009.
- [68] Fahad Saeed and Ashfaq Khokhar. A domain decomposition strategy for alignment of multiple biological sequences on multiprocessor platforms. *J. Parallel Distrib. Comput.*, 69(7):666–677, 2009.
- [69] Matthew C. Schmidt, Nagiza F. Samatova, Kevin Thomas, and Byung-Hoon Park. A scalable, parallel algorithm for maximal clique enumeration. *J. Parallel Distrib. Comput.*, 69(4):417–428, 2009.
- [70] Aamir Shafi, Bryan Carpenter, and Mark Baker. Nested parallelism for multi-core hpc systems using java. *J. Parallel Distrib. Comput.*, 69(6):532–545, 2009.

- [71] Haiying Shen. A p2p-based intelligent resource discovery mechanism in internet-based distributed systems. *J. Parallel Distrib. Comput.*, 69(2):197–209, 2009.
- [72] Haiying Shen and Yingwu Zhu. A proactive low-overhead file replication scheme for structured p2p content delivery networks. *J. Parallel Distrib. Comput.*, 69(5):429–440, 2009.
- [73] Xiaoqiu Shi, Jinsong Han, Yunhao Liu, and Lionel M. Ni. Popularity adaptive search in hybrid p2p systems. *J. Parallel Distrib. Comput.*, 69(2):125–134, 2009.
- [74] Guo-Zhong Tian, Jiong Yu, and Jing-Sha He. Towards critical region reliability support for grid workflows. *J. Parallel Distrib. Comput.*, 69(12):989–995, 2009.
- [75] Jesper Larsson Träff. What the parallel-processing community has (failed) to offer the multi/many-core generation. *J. Parallel Distrib. Comput.*, 69(9):807–812, 2009.
- [76] Guoqiang Wang, Ladislau Bölöni, Damla Turgut, and Dan C. Marinescu. Time-parallel simulation of wireless ad hoc networks with compressed history. *J. Parallel Distrib. Comput.*, 69(2):168–179, 2009.
- [77] Jun Wang, Peng Gu, and Hailong Cai. An advertisement-based peer-to-peer search algorithm. *J. Parallel Distrib. Comput.*, 69(7):638–651, 2009.
- [78] Xianbing Wang and Yong Meng Teo. Global data computation in chordal rings. *J. Parallel Distrib. Comput.*, 69(8):725–736, 2009.
- [79] Xue Wang, Junjie Ma, and Sheng Wang. Parallel energy-efficient coverage optimization with maximum entropy clustering in wireless sensor networks. *J. Parallel Distrib. Comput.*, 69(10):838–847, 2009.
- [80] Zhijun Wang, Anwitaman Datta, Sajal K. Das, and Mohan Kumar. Cmv: File consistency maintenance through virtual servers in peer-to-peer systems. *J. Parallel Distrib. Comput.*, 69(4):360–372, 2009.
- [81] Samuel Williams, Jonathan Carter, Leonid Oliker, John Shalf, and Katherine Yelick. Optimization of a lattice boltzmann computation

- on state-of-the-art multicore platforms. *J. Parallel Distrib. Comput.*, 69(9):762–777, 2009.
- [82] Jan-Jan Wu, Yi-Fang Lin, Da-Wei Wang, and Chien-Min Wang. Optimizing server placement for parallel i/o in switch-based clusters. *J. Parallel Distrib. Comput.*, 69(3):266–281, 2009.
- [83] Qishi Wu, Jinzhu Gao, Zizhong Chen, and Mengxia Zhu. Pipelining parallel image compositing and delivery for efficient remote visualization. *J. Parallel Distrib. Comput.*, 69(3):230–238, 2009.
- [84] Haitao Yang. A compensation cost analysis of service-aggregate transaction for dtns clients. *J. Parallel Distrib. Comput.*, 69(11):930–936, 2009.
- [85] Mengkun Yang and Zongming Fei. A novel approach to improving search efficiency in unstructured peer-to-peer networks. *J. Parallel Distrib. Comput.*, 69(11):877–884, 2009.
- [86] Kun-Ming Yu, Jiayi Zhou, Chun-Yuan Lin, and Chuan Yi Tang. Efficient parallel branch-and-bound algorithm for constructing minimum ultrametric trees. *J. Parallel Distrib. Comput.*, 69(11):905–914, 2009.
- [87] Zeng Zeng and Bharadwaj Veeravalli. A novel distributed architecture of large-scale multimedia storage system using autonomous object-based storage devices. *J. Parallel Distrib. Comput.*, 69(4):349–359, 2009.
- [88] Xiaoyu Zhang and Chandrajit Bajaj. Scalable isosurface visualization of massive datasets on commodity off-the-shelf clusters. *J. Parallel Distrib. Comput.*, 69(1):39–53, 2009.
- [89] Zhao Zhang, Weili Wu, and Shashi Shekhar. Optimal placements of replicas in a ring network with majority voting protocol. *J. Parallel Distrib. Comput.*, 69(5):461–469, 2009.
- [90] Chenggui Zhao, Wenjun Xiao, and Behrooz Parhami. Load-balancing on swapped or otis networks. *J. Parallel Distrib. Comput.*, 69(4):389–399, 2009.
- [91] Qin Zheng and Bharadwaj Veeravalli. On the design of communication-aware fault-tolerant scheduling algorithms for precedence constrained

tasks in grid computing systems with dedicated communication devices.  
*J. Parallel Distrib. Comput.*, 69(3):282–294, 2009.