## References

- [1] Tarek F. Abdelzaher, Kang G. Shin, and Nina Bhatti. Performance guarantees for web server end-systems: A control-theoretical approach. *IEEE Trans. Parallel and Distrib. Systems*, 13(1):80–96, 2002.
- [2] Istabrak Abdul-Fatah and Shikharesh Majumdar. Performance of corbabased client-server architectures. *IEEE Trans. Parallel and Distrib. Systems*, 13(2):111–127, 2002.
- [3] Vincenzo Auletta, Sajal K. Das, Amelia de Vivo, M. Cristina Pinotti, and Vittorio Scarano. Optimal tree access by elementary and composite templates in parallel memory systems. *IEEE Trans. Parallel and Distrib. Systems*, 13(4):399–412, 2002.
- [4] Azzedine Boukerche, Sungbum Hong, and Tom Jacob. An efficient synchronization scheme of multimedia streams in wireless and mobile systems. *IEEE Trans. Parallel and Distrib. Systems*, 13(9):911–923, 2002.
- [5] James Burns and Jean-Luc Gaudiot. Smt layout overhead and scalability. *IEEE Trans. Parallel and Distrib. Systems*, 13(2):142–155, 2002.
- [6] Sek M. Chai and D. Scott Wills. Systolic opportunities for multidimensional data streams. *IEEE Trans. Parallel and Distrib. Systems*, 13(4):388–398, 2002.
- [7] Roger D. Chamberlain, Mark A. Franklin, and Ch'ng Shi Baw. Gemini: An optical interconnection network for parallel processing. *IEEE Trans. Parallel and Distrib. Systems*, 13(10):1038–1055, 2002.
- [8] Siddhartha Chatterjee, Alvin R. Lebeck, Praveen K. Patnala, and Mithuna Thottethodi. Recursive array layouts and fast matrix multiplication. *IEEE Trans. Parallel and Distrib. Systems*, 13(11):1105–1123, 2002.
- [9] Jian Chen and Valerie E. Taylor. Mesh partitioning for efficient use of distributed systems. *IEEE Trans. Parallel and Distrib. Systems*, 13(1):67–79, 2002.
- [10] Shao Dong Chen, Hong Shen, and Rodney Topor. Permutation-based range-join algorithms on *n*-dimensional meshes. *IEEE Trans. Parallel and Distrib. Systems*, 13(4):413–431, 2002.

- [11] Wei Chen and Koichi Wada. On computing the upper envelope segments in parallel. *IEEE Trans. Parallel and Distrib. Systems*, 13(1):5–13, 2002.
- [12] Sunghyun Choi and Kang G. Shin. Adaptive bandwidth reservation and admission control in qos-sensitive cellular networks. *IEEE Trans. Parallel and Distrib. Systems*, 13(9):882–897, 2002.
- [13] Ka-Po Chow and Yu-Kwong Kwok. On load balancing for distributed multiagent computing. *IEEE Trans. Parallel and Distrib. Systems*, 13(8):787–801, 2002.
- [14] Po-Jen Chuang, Juei-Tang Chen, and Yue-Tsuen Jiang. Balancing buffer utilization in meshes using a "restricted area" concept. *IEEE Trans. Parallel and Distrib. Systems*, 13(8):814–827, 2002.
- [15] Nicholas Comino and V. Lakshmi Narasimhan. A novel data distribution technique for host-client type parallel applications. *IEEE Trans. Parallel and Distrib. Systems*, 13(2):97–110, 2002.
- [16] Paolo Cremonesi and Claudio Gennaro. Integrated performance models for spmd applications and mimd architectures. *IEEE Trans. Parallel and Distrib. Systems*, 13(7):745–757, 2002.
- [17] Paolo Cremonesi and Claudio Gennaro. Integrated performance models for spmd applications and mimd architectures. *IEEE Trans. Parallel and Distrib. Systems*, 13(12):1320–1332, 2002.
- [18] Sajal K. Das and Cristina M. Pinotti. Load balanced and optimal disk allocation strategy for partial match queries on multidimensional files. *IEEE Trans. Parallel and Distrib. Systems*, 13(12):1211–1219, 2002.
- [19] Amitava Datta, Subbiah Soundaralakshmi, and Robyn Owens. Fast sorting algorithms on a linear array with a reconfigurable pipelined bus system. *IEEE Trans. Parallel and Distrib. Systems*, 13(3):212–222, 2002.
- [20] Khaled Day and Abdel-Elah Al-Ayyoub. Topological properties of otisnetworks. *IEEE Trans. Parallel and Distrib. Systems*, 13(4):359–366, 2002.
- [21] Antonella di Stefano and Corrado Santoro. Locating mobile agents in a wide distributed environment. *IEEE Trans. Parallel and Distrib. Systems*, 13(8):844–864, 2002.

- [22] Luis Díaz de Cerio, Miguel Valero-García, and Antonio González. Hypercube algorithms on mesh connected multicomputers. *IEEE Trans. Parallel and Distrib. Systems*, 13(12):1247–1260, 2002.
- [23] Atakan Dogan and Füsun Özgüner. Matching and scheduling algorithms for minimizing execution time and failure probability of applications in heterogeneous computing. *IEEE Trans. Parallel and Distrib. Systems*, 13(3):308–323, 2002.
- [24] Guy Dumais and Hon F. Li. Distributed predicate detection in seriesparallel systems. *IEEE Trans. Parallel and Distrib. Systems*, 13(4):373–387, 2002.
- [25] Greg Eisenhauer, Fabián E. Bustamante, and Karsten Schwan. Native data representation: An efficient wire format for high-performance distributed computing. *IEEE Trans. Parallel and Distrib. Systems*, 13(12):1234–1246, 2002.
- [26] Mona El-Kadi, Stephan Olariu, and Hussein Abdel-Wahab. A rate-based borrowing scheme for qos provisioning in multimedia wireless networks. *IEEE Trans. Parallel and Distrib. Systems*, 13(2):156–166, 2002.
- [27] Jianxi Fan. Diagnosability of crossed cubes under the comparison diagnosis model. *IEEE Trans. Parallel and Distrib. Systems*, 13(7):687–692, 2002.
- [28] Jianxi Fan. Diagnosability of crossed cubes under the comparison diagnosis model. *IEEE Trans. Parallel and Distrib. Systems*, 13(10):1099–1104, 2002.
- [29] José Flich, Pedro López, M.P. Malumbres, and Jose Duato. Boosting the performance of myrinet networks. *IEEE Trans. Parallel and Distrib. Systems*, 13(7):693–709, 2002.
- [30] José Flich, Pedro López, M.P. Malumbres, and Jose Duato. Boosting the performance of myrinet networks. *IEEE Trans. Parallel and Distrib. Systems*, 13(11):1166–1182, 2002.
- [31] Roy Friedman, S. Manor, and Katherine Guo. Scalable stability detection using logical hypercube. *IEEE Trans. Parallel and Distrib. Systems*, 13(9):972–984, 2002.

- [32] Natsuhiko Futamura, Srinivas Aluru, Desh Ranjan, and Bhanu Hariharan. Efficient parallel algorithms for solvent accessible surface area of proteins. *IEEE Trans. Parallel and Distrib. Systems*, 13(6):544–555, 2002.
- [33] Alain Gibaud and Philippe Thomin. Communications directed by bound types in linda: Presentation and formal model. *IEEE Trans. Parallel and Distrib. Systems*, 13(8):828–843, 2002.
- [34] Edin Hodzic and Weijia Shang. On time optimal supernode shape. *IEEE Trans. Parallel and Distrib. Systems*, 13(12):1220–1233, 2002.
- [35] Shi-Jinn Horng, Horng-Ren Tsai, Yi Pan, and Jennifer Seitzer. Optimal algorithms for the channel-assignment problem on a reconfigurable array of processors with wider bus networks. *IEEE Trans. Parallel and Distrib. Systems*, 13(11):1124–1138, 2002.
- [36] Jiongkuan Hou, Jie Yang, and Symeon Papavassiliou. Integration of pricing with call admission control to meet qos requirements in cellular networks. *IEEE Trans. Parallel and Distrib. Systems*, 13(9):898–910, 2002.
- [37] Sun-yuan Hsieh. An efficient parallel algorithm for the efficient domination problem on distance-hereditary graphs. *IEEE Trans. Parallel and Distrib. Systems*, 13(9):985–993, 2002.
- [38] Yiming Hu, Tycho Nightingale, and Qing Yang. Rapid-cache a reliable and inexpensive write cache for high performance storage systems. *IEEE Trans. Parallel and Distrib. Systems*, 13(3):290–307, 2002.
- [39] Kai Hwang, Hai Jin, and Roy S.C. Ho. Orthogonal striping and mirroring in distributed raid for i/o-centric cluster computing. *IEEE Trans. Parallel and Distrib. Systems*, 13(1):26–44, 2002.
- [40] Satoshi Ikeda, Izumi Kubo, Norihiro Okumoto, and Masafumi Yamashita. Fair circulation of a token. *IEEE Trans. Parallel and Dis*trib. Systems, 13(4):367–372, 2002.
- [41] Jianping Jiang, Ten-Hwang Lai, and Neelam Soundarajan. On distributed dynamic channel allocation in mobile cellular networks. *IEEE Trans. Parallel and Distrib. Systems*, 13(10):1024–1037, 2002.

- [42] Meenakshi A. Kandaswamy, Mahmut Kandemir, Alok Choudhary, and David Bernholdt. An experimental evaluation of i/o optimizations on different applications. *IEEE Trans. Parallel and Distrib. Systems*, 13(7):728–744, 2002.
- [43] Meenakshi A. Kandaswamy, Mahmut Kandemir, Alok Choudhary, and David Bernholdt. An experimental evaluation of i/o optimizations on different applications. *IEEE Trans. Parallel and Distrib. Systems*, 13(12):1303–1319, 2002.
- [44] Salil S. Kanhere, Harish Sethu, and Alpa B. Parekh. Fair and efficient packet scheduling using elastic round robin. *IEEE Trans. Parallel and Distrib. Systems*, 13(3):324–336, 2002.
- [45] Jens Knoop and Eduard Mehofer. Distribution assignment placement: Effective optimization of redistribution costs. *IEEE Trans. Parallel and Distrib. Systems*, 13(6):628–647, 2002.
- [46] Tei-Wei Kuo, Jun Wu, and Hsin-Chia Hsih. Real-time concurrency control in a multiprocessor environment. *IEEE Trans. Parallel and Distrib. Systems*, 13(6):659–671, 2002.
- [47] Yu-Kwong Kwok and Vincent K.N. Lau. A novel channel-adaptive uplink access control protocol for nomadic computing. *IEEE Trans. Parallel and Distrib. Systems*, 13(11):1150–1165, 2002.
- [48] Vijay Lakamraju, Israel Koren, and C.M. Krishna. Filtering random graphs to synthesize interconnection networks with multiple objectives. *IEEE Trans. Parallel and Distrib. Systems*, 13(11):1139–1149, 2002.
- [49] Francis C.M. Lau and Shi-Heng Zhang. Fast gossiping in square meshes/tori with bounded-size packets. *IEEE Trans. Parallel and Distrib. Systems*, 13(4):349–358, 2002.
- [50] Jack Y.B. Lee and John C.S. Lui. Automatic recovery from disk failure in continuous-media servers. *IEEE Trans. Parallel and Distrib. Systems*, 13(5):499–515, 2002.
- [51] Cheng-Ru Lin and Ming-Syan Chen. On the asymptotical optimality of multilayered decentralized consensus protocol. *IEEE Trans. Parallel and Distrib. Systems*, 13(8):769–786, 2002.

- [52] Stephanie Lindsey, Cauligi Raghavendra, and Krishna M. Sivalingam. Data gathering algorithms in sensor netowrks using energy metrics. *IEEE Trans. Parallel and Distrib. Systems*, 13(9):924–935, 2002.
- [53] Lanfranco Lopriore. Access control mechanisms in a distributed, persistent memory system. *IEEE Trans. Parallel and Distrib. Systems*, 13(10):1066–1083, 2002.
- [54] John C.S. Lui and M.F. Chan. An efficient partitioning algorithm for distributed virtual environment systems. *IEEE Trans. Parallel and Dis*trib. Systems, 13(3):193–211, 2002.
- [55] Tara M. Madhyastha and Daniel A. Reed. Learning to classify parallel input/output accesss patterns. *IEEE Trans. Parallel and Distrib. Systems*, 13(8):802–813, 2002.
- [56] Arati Manjeshwar, Qing-An Zeng, and Dharma P. Agrawal. An analytical model for information retrieval in wireless sensor networks using enhanced apteen protocol. *IEEE Trans. Parallel and Distrib. Systems*, 13(12):1290–1302, 2002.
- [57] Phil May, Santithorn Bunchua, and D. Scott Wills. Hiper: A compact narrow channel router with hop-by-hop error correction. *IEEE Trans. Parallel and Distrib. Systems*, 13(5):485–498, 2002.
- [58] Philip K. McKinley, Chiping Tang, and Arun P. Mani. A study of adaptive forward error correction for wirelesss collaborative computing. *IEEE Trans. Parallel and Distrib. Systems*, 13(9):936–947, 2002.
- [59] Koji Nakano and Stephan Olariu. Uniform leader election protocols for radio networks. *IEEE Trans. Parallel and Distrib. Systems*, 13(5):516–526, 2002.
- [60] Koji Nakano, Stephan Olariu, and Albert Y. Zomaya. Energy-efficient routing in the broadcast communication model. *IEEE Trans. Parallel* and Distrib. Systems, 13(12):1201–1210, 2002.
- [61] David M. Nicol and Jason Liu. Composite synchronization in parallel discrete-event simulation. *IEEE Trans. Parallel and Distrib. Systems*, 13(5):433–446, 2002.

- [62] Fabian Garcia Nocetti, Ivan Stojmenovic, and Jingyuan Zhang. Addressing and routing in hexagonal networks with applications for tracking mobile users and connection rerouting in cellular networks. *IEEE Trans. Parallel and Distrib. Systems*, 13(9):963–971, 2002.
- [63] Michael O'Boyle and Elena Stöhr. Compile time barrier synchronization minimization. *IEEE Trans. Parallel and Distrib. Systems*, 13(6):529–543, 2002.
- [64] Yunheung Paek, Angeles Navarro, Emilio Zapata, Jay Hoeflinger, and David Padua. An advanced compiler framework for non-cache-coherent multiprocessors. *IEEE Trans. Parallel and Distrib. Systems*, 13(3):241–259, 2002.
- [65] Changsik Park and John J. Metzner. Efficient location of discrepancies in multiple replicated large files. *IEEE Trans. Parallel and Distrib. Sys*tems, 13(6):597–610, 2002.
- [66] Lutz Prechelt and Stefan U. Hänsigen. Efficient parallel execution of irregular recursive programs. IEEE Trans. Parallel and Distrib. Systems, 13(2):167–178, 2002.
- [67] Andrei Radulescu and Arjan J.C. van Gemund. Low-cost task scheduling for distributed-memory machines. *IEEE Trans. Parallel and Distrib. Systems*, 13(6):648–658, 2002.
- [68] Narasimhan Ramasubramanian, Ram Subramanian, and Santosh Pande. Automatic compilation of loops to exploit operator parallelism on configurable arithmetic logic units. *IEEE Trans. Parallel and Distrib. Systems*, 13(1):45–66, 2002.
- [69] Fabrice Rastello and Yves Robert. Automatic partitioning of parallel loops with parallelepiped-shaped tiles. *IEEE Trans. Parallel and Dis*trib. Systems, 13(5):460–470, 2002.
- [70] John W. Romein, Henri E. Bal, Jonathan Schaeffer, and Aske Plaat. A performance analysis of transposition-table-driven work scheduling in distributed search. *IEEE Trans. Parallel and Distrib. Systems*, 13(5):447–459, 2002.

- [71] Arnold L. Rosenberg. Optimal schedules for cycle-stealing in a network of workstations with a bag-of-tasks workload. *IEEE Trans. Parallel and Distrib. Systems*, 13(2):179–191, 2002.
- [72] Curt Schurgers, Gautam Kulkarni, and Mani B. Srivastava. Distributed on-demand address assignment in wireless sensor networks. *IEEE Trans. Parallel and Distrib. Systems*, 13(10):1056–1065, 2002.
- [73] F.J. Seinstra and D. Koelma. P-3pc: A point-to-point communication model for automatic and optimal decomposition of regular domain problems. *IEEE Trans. Parallel and Distrib. Systems*, 13(7):758–768, 2002.
- [74] Franciszek Seredynski and Albert Y. Zomaya. Sequential and parallel cellular automata-based scheduling algorithms. *IEEE Trans. Parallel and Distrib. Systems*, 13(10):1009–1023, 2002.
- [75] Cyrus Shahabi and Farnoush Banaei-Kashani. Decentralized resource management for a distributed continuous media server. *IEEE Trans. Parallel and Distrib. Systems*, 13(7):710–727, 2002.
- [76] Cyrus Shahabi and Farnoush Banaei-Kashani. Decentralized resource management for a distributed continuous media server. *IEEE Trans. Parallel and Distrib. Systems*, 13(11):1183–1200, 2002.
- [77] Rajeev Sivaram, Craig B. Stunkel, and Dhabaleswar K. Panda. Hipiqs: A high-performance switch architecture using input queuing. *IEEE Trans. Parallel and Distrib. Systems*, 13(3):275–289, 2002.
- [78] Daniel J. Sorin, Manoj Plakal, Anne E. Condon, Mark D. Hill, Milo M.K. Martin, and David A. Wood. Specifying and verifying a broadcast and a multicast snooping cache coherence protocol. *IEEE Trans. Parallel* and Distrib. Systems, 13(6):556–578, 2002.
- [79] Jerry Stamatopoulos and Jon A. Solworth. Integrated network barriers. *IEEE Trans. Parallel and Distrib. Systems*, 13(4):337–348, 2002.
- [80] Johan Steensland, Sumir Chandra, and Manish Parashar. An application-centric characterization of domain-based sfc partitioners for parallel samr. *IEEE Trans. Parallel and Distrib. Systems*, 13(12):1275–1289, 2002.

- [81] Ivan Stojmenovic, Mahtab Seddigh, and Jovisa Zunic. Dominating sets and neighbor elimination-based broadcasting algorithms in wireless networks. *IEEE Trans. Parallel and Distrib. Systems*, 13(1):14–25, 2002.
- [82] Florin Sultan, Thu D. Nguyen, and Liviu Iftode. Lazy garbage collection of recovery state for fault-tolerant distributed shared memory. *IEEE Trans. Parallel and Distrib. Systems*, 13(7):673–686, 2002.
- [83] Florin Sultan, Thu D. Nguyen, and Liviu Iftode. Lazy garbage collection of recovery state for fault-tolerant distributed shared memory. *IEEE Trans. Parallel and Distrib. Systems*, 13(10):1085–1098, 2002.
- [84] Chengzheng Sun. Optional and responsive fine-grain locking in internet-based collaborative systems. *IEEE Trans. Parallel and Distrib. Systems*, 13(9):994–1008, 2002.
- [85] Mihai Surdeanu and Dan Moldovan. Design and performance analysis of a distributed java machine. *IEEE Trans. Parallel and Distrib. Systems*, 13(6):611–627, 2002.
- [86] Mihai Surdeanu, Dan I. Moldovan, and Sanda M. Harabagiu. Performance analysis of a distributed question/answering system. *IEEE Trans. Parallel and Distrib. Systems*, 13(6):579–596, 2002.
- [87] Haluk Topcuoglu, Salim Hariri, and Min-You Wu. Performance-effective and low-complexity task scheduling for heterogeneous computing. *IEEE Trans. Parallel and Distrib. Systems*, 13(3):260–274, 2002.
- [88] Nor Jaidi Tuah, Mohan Kumar, Svetha Venkatesh, and Sajal K. Das. Performance optimization problem in speculative prefetching. *IEEE Trans. Parallel and Distrib. Systems*, 13(5):471–484, 2002.
- [89] Jie Wu. Extended dominating-set-based routing in ad hoc wireless networks with unidirectional links. *IEEE Trans. Parallel and Distrib. Systems*, 13(9):866–881, 2002.
- [90] Li Xiao, Songqing Chen, and Xiaodong Zhang. Dynamic cluster resource allocations for jobs with known and unknown memory demands. *IEEE Trans. Parallel and Distrib. Systems*, 13(3):223–240, 2002.

- [91] Yuanyuan Yang and Jianchao Wang. Near-optimal all-to-all broadcast in multidimensional all-port meshes and tori. *IEEE Trans. Parallel and Distrib. Systems*, 13(2):128–141, 2002.
- [92] Ki Hwan Yum, Eun Jung Kim, Chita R. Das, and Aniruddha S. Vaidya. Mediaworm: A qos capable router architecture for clusters. *IEEE Trans. Parallel and Distrib. Systems*, 13(12):1261–1274, 2002.
- [93] Albert Y. Zomaya and Michael Wright. Observations on using genetic-algorithms for channel allocation in mobile computing. *IEEE Trans. Parallel and Distrib. Systems*, 13(9):948–962, 2002.