

References

- [1] Tarek F. Abdelzaher and Kang G. Shin. Combined task and message scheduling in distributed real-time systems. *IEEE Trans. Parallel and Distrib. Systems*, 10(11):1179–1191, 1999.
- [2] Gagan Agrawal. A general interprocedural framework for placement of split-phase large latency operations. *IEEE Trans. Parallel and Distrib. Systems*, 10(4):394–413, 1999.
- [3] Mustaque Ahamad and Rammohan Kordale. Scalable consistency protocols for distributed services. *IEEE Trans. Parallel and Distrib. Systems*, 10(9):888–903, 1999.
- [4] Ishfaq Ahmad and Yu-Kwong Kwok. On parallelizing the multiprocessor scheduling problem. *IEEE Trans. Parallel and Distrib. Systems*, 10(4):414–432, 1999.
- [5] Z. Alkhalifa, V.S.S. Nair, N. Krishnamurthy, and J.A. Abraham. Design and evaluation of system-level checks for on-line control flow error detection. *IEEE Trans. Parallel and Distrib. Systems*, 10(6):627–641, 1999.
- [6] B.F.A. AlMohammad and Bella Bose. Fault-tolerant communication algorithms in toroidal networks. *IEEE Trans. Parallel and Distrib. Systems*, 10(10):976–983, 1999.
- [7] James H. Anderson and Mark Moir. Universal constructions for large objects. *IEEE Trans. Parallel and Distrib. Systems*, 10(12):1317–1332, 1999.
- [8] Dimiter R. Avresky. Embedding and reconfiguration of spanning trees in faulty hypercubes. *IEEE Trans. Parallel and Distrib. Systems*, 10(3):211–222, 1999.
- [9] Roberto Baldoni, Francesco Quaglia, and Paolo Fornara. An index-based checkpointing algorithm for autonomous distributed systems. *IEEE Trans. Parallel and Distrib. Systems*, 10(2):181–192, 1999.
- [10] Amotz Bar-Noy and Ching-Tien Ho. Broadcasting multiple messages in the multiport model. *IEEE Trans. Parallel and Distrib. Systems*, 10(5):500–508, 1999.

- [11] Alan A. Bertossi, Luigi V. Mancini, and Federico Rossini. Fault-tolerant rate-monotonic first-fit scheduling in hard-real-time systems. *IEEE Trans. Parallel and Distrib. Systems*, 10(9):934–945, 1999.
- [12] Rajendra V. Boppana and Suresh Chalasani. Fault-tolerant communication with partitioned dimension-order routers. *IEEE Trans. Parallel and Distrib. Systems*, 10(10):1026–1039, 1999.
- [13] Hasan Çam and José A.B. Fortes. Work-efficient routing algorithms for rearrangeable symmetrical networks. *IEEE Trans. Parallel and Distrib. Systems*, 10(7):733–741, 1999.
- [14] Ümit V. Çatalyürek and Cevdet Aykanat. Hypergraph-partitioning-based decomposition for parallel sparse-matrix vector multiplication. *IEEE Trans. Parallel and Distrib. Systems*, 10(7):673–693, 1999.
- [15] Ding-Kai Chen and Pen-Chung Yew. Redundant synchronization elimination for doacross loops. *IEEE Trans. Parallel and Distrib. Systems*, 10(5):459–470, 1999.
- [16] Ge-Ming Chiu and Shin-Kung Chen. An efficient submesh allocation scheme for two-dimensional meshes with little overhead. *IEEE Trans. Parallel and Distrib. Systems*, 10(5):471–486, 1999.
- [17] Ricardo C. Corrêa, Afonso Ferreira, and Pascal Rebreyend. Scheduling multiprocessor tasks with genetic algorithms. *IEEE Trans. Parallel and Distrib. Systems*, 10(8):825–837, 1999.
- [18] Flaviu Cristian and Christof Fetzer. The timed asynchronous distributed system model. *IEEE Trans. Parallel and Distrib. Systems*, 10(6):642–657, 1999.
- [19] Stuart W. Daniel, Kang G. Shin, and Sang Kyun Yun. A router architecture for flexible routing and switching in multihop point-to-point networks. *IEEE Trans. Parallel and Distrib. Systems*, 10(1):62–75, 1999.
- [20] Binh Vien Dao, Jose Duato, and Sudhakar Yalamanchili. Dynamically configurable message flow control for fault-tolerant routing. *IEEE Trans. Parallel and Distrib. Systems*, 10(1):7–22, 1999.

- [21] Simonjit Dutta and Manoj Franklin. Control flow prediction schemes for wide-issue superscalar processors. *IEEE Trans. Parallel and Distrib. Systems*, 10(4):346–359, 1999.
- [22] Lixin Gao, Arnold L. Rosenberg, and Ramesh K. Sitaraman. Optimal clustering of tree-sweep computations for high-latency parallel environments. *IEEE Trans. Parallel and Distrib. Systems*, 10(8):813–824, 1999.
- [23] Roberto Giorgi and Cosimo Antonio Prete. Pscr: A coherence protocol for eliminating passive sharing in shared-bus shared-memory multiprocessors. *IEEE Trans. Parallel and Distrib. Systems*, 10(7):742–763, 1999.
- [24] José Ramón González de Mendivil, Federico Fariña, José Ramón Garitagoitia, Carlos F. Alastruey, and J.M. Bernabeu-Auban. A distributed deadlock resolution algorithm for the and model. *IEEE Trans. Parallel and Distrib. Systems*, 10(5):433–447, 1999.
- [25] Qian-Ping Gu and Shietung Peng. Unicast in hypercubes with large number of faulty nodes. *IEEE Trans. Parallel and Distrib. Systems*, 10(10):964–975, 1999.
- [26] Vivek Halwan, Füsün Özgüner, and Ayakan Dogan. Routing in wormhole-switched clustered networks with applications to fault tolerance. *IEEE Trans. Parallel and Distrib. Systems*, 10(10):1001–1011, 1999.
- [27] Seungjae Han and Kang G. Shin. Experimental evaluation of behavior-based failure-detection schemes in real-time communication networks. *IEEE Trans. Parallel and Distrib. Systems*, 10(6):613–626, 1999.
- [28] Stephen L. Hary and Füsün Özgüner. Precedence-constrained task allocation onto point-to-point networks for pipelined execution. *IEEE Trans. Parallel and Distrib. Systems*, 10(8):838–851, 1999.
- [29] Mathew P. Haynos and Yuanyuan Yang. An analytical model on the blocking probability of a fault-tolerant network. *IEEE Trans. Parallel and Distrib. Systems*, 10(10):1040–1051, 1999.
- [30] Jean-Michel Héлары, Achour Mostefaoui, and Michel Raynal. Communication-induced determination of consistent snapshots. *IEEE Trans. Parallel and Distrib. Systems*, 10(9):865–877, 1999.

- [31] Matti A. Hiltunen, Richard D. Schlichting, Xiaonan Han, Melvin M. Cardozo, and Rajsekhar Das. Real-time dependable channels: Customizing qos attributes for distributed systems. *IEEE Trans. Parallel and Distrib. Systems*, 10(6):600–612, 1999.
- [32] Sun-Yuan Hsieh, Gen-Huey Chen, and Chin-Wen Ho. Fault-free hamiltonian cycles in faulty arrangement graphs. *IEEE Trans. Parallel and Distrib. Systems*, 10(3):223–237, 1999.
- [33] Hui-Ling Huang and Gen-Huey Chen. Combinatorial properties of two-level hypernet networks. *IEEE Trans. Parallel and Distrib. Systems*, 10(11):1192–1199, 1999.
- [34] Chi-Chung Hui and Samuel T. Chanson. Hydrodynamic load balancing. *IEEE Trans. Parallel and Distrib. Systems*, 10(11):1118–1137, 1999.
- [35] Marty Humphrey and John A. Stankovic. Predictable threads for dynamic, hard real-time environments. *IEEE Trans. Parallel and Distrib. Systems*, 10(3):281–296, 1999.
- [36] Kai Hwang, Choming Wang, Cho-Li Wang, and Zhiwei Xu. Resource scaling effects on mpp performance: The stap benchmark implications. *IEEE Trans. Parallel and Distrib. Systems*, 10(5):509–527, 1999.
- [37] Joseph C. Jacob and Soo-Young Lee. Task spreading and shrinking on multiprocessor systems and networks of workstations. *IEEE Trans. Parallel and Distrib. Systems*, 10(10):1082–1101, 1999.
- [38] Weijia Jia, Wei Zhao, Dong Xuan, and Gaochao Xu. An efficient fault-tolerant multicast routing protocol with core-based tree techniques. *IEEE Trans. Parallel and Distrib. Systems*, 10(10):984–1000, 1999.
- [39] Jens Bæk Jørgensen and Lars Michael Kristensen. Computer aided verification of lamport’s fast mutual exclusion algorithm using colored petri nets and occurrence graphs with symmetries. *IEEE Trans. Parallel and Distrib. Systems*, 10(7):714–732, 1999.
- [40] Zbigniew T. Kalbarczyk, Ravishankar K. Iyer, Saurabh Bagchi, and Keith Whisnant. Chameleon: A software infrastructure for adaptive fault tolerance. *IEEE Trans. Parallel and Distrib. Systems*, 10(6):560–579, 1999.

- [41] Mahmut Kandemir, Alok Choudhary, Nagaraj Shenoy, Prithviraj Banerjee, and J. Ramanujam. A linear algebra framework for automatic determination of optimal data layouts. *IEEE Trans. Parallel and Distrib. Systems*, 10(2):115–135, 1999.
- [42] Ram Kesavan and Dhabaleswar K. Panda. Multiple multicast with minimized node contention on wormhole k -ary n -cube networks. *IEEE Trans. Parallel and Distrib. Systems*, 10(4):371–393, 1999.
- [43] JunSeong Kim and David J. Lilja. Performance-based path determination for interprocessor communication in distributed computing systems. *IEEE Trans. Parallel and Distrib. Systems*, 10(3):316–327, 1999.
- [44] Yu-Kwong Kwok and Ishfaq Ahmad. Fastest: A practical low-complexity algorithm for compile-time assignment of parallel programs to multiprocessors. *IEEE Trans. Parallel and Distrib. Systems*, 10(2):147–159, 1999.
- [45] Zhiyong Li, John H. Reif, and Sandeep K.S. Gupta. Synthesizing efficient out-of-core programs for block recursive algorithms using block-cyclic data distributions. *IEEE Trans. Parallel and Distrib. Systems*, 10(3):297–315, 1999.
- [46] Ching-Jung Liao and Yeh-Ching Chung. Tree-based parallel load-balancing methods for solution-adaptive finite element graphs on distributed memory multicomputers. *IEEE Trans. Parallel and Distrib. Systems*, 10(4):360–370, 1999.
- [47] R. Lin, S. Olariu, J.L. Schwing, and B.-F. Wang. The mesh with hybrid buses: An efficient parallel architecture for digital geometry. *IEEE Trans. Parallel and Distrib. Systems*, 10(3):266–280, 1999.
- [48] Jack L. Lo, Sujay S. Parekh, Susan J. Eggers, Henry M. Levy, and Dean M. Tullsen. Software-directed register deallocation for simultaneous multithreaded processors. *IEEE Trans. Parallel and Distrib. Systems*, 10(9):922–933, 1999.
- [49] D. Manivannan and Mukesh Singhal. Quasi-synchronous checkpointing: Models, characterization, and classification. *IEEE Trans. Parallel and Distrib. Systems*, 10(7):703–713, 1999.

- [50] Fenghao Mu and Christer Svensson. Vector transfer by self-tested self-synchronization for parallel systems. *IEEE Trans. Parallel and Distrib. Systems*, 10(8):769–780, 1999.
- [51] Hideo Nagumo, Mi Lu, and Karan L. Watson. Parallel parsing algorithms for static dictionary compression. *IEEE Trans. Parallel and Distrib. Systems*, 10(12):1241–1251, 1999.
- [52] Koj Nakano, Stephan Olariu, and James L. Schwing. Broadcast-efficient protocols for mobile radio networks. *IEEE Trans. Parallel and Distrib. Systems*, 10(12):1276–1289, 1999.
- [53] Bojana Obrenić, Martin C. Herbordt, Arnold L. Rosenberg, and Charles C. Weems. Using emulations to enhance the performance of parallel architectures. *IEEE Trans. Parallel and Distrib. Systems*, 10(10):1067–1081, 1999.
- [54] Stephan Olariu, M. Cristina Pinotti, and S.Q. Zheng. How to sort n items using a sorting network of fixed i/o size. *IEEE Trans. Parallel and Distrib. Systems*, 10(5):487–499, 1999.
- [55] Dhabaleswar K. Panda, Sanjay Singal, and Ram Kesavan. Multidestination message passing in wormhole k -ary n -cube networks with base routing conformed paths. *IEEE Trans. Parallel and Distrib. Systems*, 10(1):76–94, 1999.
- [56] Behrooz Parhami and Ding-Ming Kwai. Data-driven control scheme for linear arrays: Application to a stable insertion sorter. *IEEE Trans. Parallel and Distrib. Systems*, 10(1):23–28, 1999.
- [57] Behrooz Parhami and Ding-Ming Kwai. Periodically regular chordal rings. *IEEE Trans. Parallel and Distrib. Systems*, 10(6):658–672, 1999.
- [58] Neungsoo Park, Viktor K. Prasanna, and Cauligi S. Raghavendra. Efficient algorithms for block-cyclic array redistribution between processor sets. *IEEE Trans. Parallel and Distrib. Systems*, 10(12):1217–1240, 1999.
- [59] Antoine P. Petitet and Jack J. Dongarra. Algorithmic redistribution methods for block-cyclic decompositions. *IEEE Trans. Parallel and Distrib. Systems*, 10(12):1201–1216, 1999.

- [60] Timothy Mark Pinkston and Sugath Warnakulasuriya. Characterization of deadlocks in k -ary n -cube networks. *IEEE Trans. Parallel and Distrib. Systems*, 10(9):904–921, 1999.
- [61] D. Powell, J. Arlat, L. Beus-Dukic, A. Bondavalli, P. Coppola, A. Fantechi, E. Jenn, C. Rabéjac, and A. Wellings. Guards: A generic upgradable architecture for real-time dependable systems. *IEEE Trans. Parallel and Distrib. Systems*, 10(6):580–599, 1999.
- [62] Lutz Prechelt. Exploiting domain-specific properties: Compiling parallel dynamic neural network algorithms into efficient code. *IEEE Trans. Parallel and Distrib. Systems*, 10(11):1105–1117, 1999.
- [63] Wenjian Qiao, Lionel M. Ni, and Tomas Rokicki. Adaptive-trail routing and performance evaluation in irregular networks using cut-through switches. *IEEE Trans. Parallel and Distrib. Systems*, 10(11):1138–1158, 1999.
- [64] Francesco Quaglia, Vittorio Cortellessa, and Bruno Ciciani. Trade-off between sequential and time warp-based parallel simulation. *IEEE Trans. Parallel and Distrib. Systems*, 10(8):781–794, 1999.
- [65] Suresh Rai and Young C. Oh. Tighter bounds on full access probability in fault-tolerant multistage interconnection networks. *IEEE Trans. Parallel and Distrib. Systems*, 10(3):328–335, 1999.
- [66] Parameswaran Ramanathan. Overload management in real-time control applications using (m, k) -firm guarantee. *IEEE Trans. Parallel and Distrib. Systems*, 10(6):549–559, 1999.
- [67] Nalini K. Ratha and Anil K. Jain. Computer vision algorithms on reconfigurable logic arrays. *IEEE Trans. Parallel and Distrib. Systems*, 10(1):29–43, 1999.
- [68] Lawrence Rauchwerger and David A. Padua. The lrpd test: Speculative run-time parallelization of loops with privatization and reduction parallelization. *IEEE Trans. Parallel and Distrib. Systems*, 10(2):160–180, 1999.
- [69] Vittorio Scarano. On the sized of extended fibonacci cubes. *IEEE Trans. Parallel and Distrib. Systems*, 10(7):764–766, 1999.

- [70] Seung-Woo Seo, Tse-yun Feng, and Hyoung-II Lee. Permutation realizability and fault tolerance property of the inside-out routing algorithm. *IEEE Trans. Parallel and Distrib. Systems*, 10(9):946–957, 1999.
- [71] Hong Shen, Francis Chin, and Yi Pan. Efficient fault-tolerant routing in multihop optical wdm networks. *IEEE Trans. Parallel and Distrib. Systems*, 10(10):1012–1025, 1999.
- [72] Anand Sivasubramaniam, Aman Singla, Umakishore Ramachandran, and H. Venkateswaran. An application-driven study of parallel system overheads and network bandwidth requirements. *IEEE Trans. Parallel and Distrib. Systems*, 10(3):193–210, 1999.
- [73] Michal Soch and Pavel Tvrđík. Time-optimal gossip of large packets in noncombining 2d tori and meshes. *IEEE Trans. Parallel and Distrib. Systems*, 10(12):1252–1261, 1999.
- [74] Santhanam Srinivasan and Niraj K. Jha. Safety and reliability driven task allocation in distributed systems. *IEEE Trans. Parallel and Distrib. Systems*, 10(3):238–251, 1999.
- [75] Frank Stomp and Gadi Taubenfels. Constructing a reliable test&set bit. *IEEE Trans. Parallel and Distrib. Systems*, 10(3):252–265, 1999.
- [76] Xian-He Sun, Mario Pantano, and Thomas Fahringer. Integrated range comparison for data-parallel compilation systems. *IEEE Trans. Parallel and Distrib. Systems*, 10(5):448–458, 1999.
- [77] Eric Hung-Yu Tseng and Jean-Luc Gaudiot. Communication generation for aligned and cyclic(k) distributions using integer lattice. *IEEE Trans. Parallel and Distrib. Systems*, 10(2):136–146, 1999.
- [78] Yu-Chee Tseng, San-Yuan Wang, and Chin-Wen Ho. Efficient broadcasting in wormhole-routed multicomputers: A network-partitioning approach. *IEEE Trans. Parallel and Distrib. Systems*, 10(1):44–61, 1999.
- [79] Tatsuhiro Tsuchiya, Masatoshi Yamaguchi, and Tohru Kikuno. Minimizing the maximum delay for reaching consensus in quorum-based mutual exclusion schemes. *IEEE Trans. Parallel and Distrib. Systems*, 10(4):337–345, 1999.

- [80] Aniruddha S. Vaidya, Chita R. Das, and Anand Sivasubramaniam. A testbed for evaluation of fault-tolerant routing in multiprocessor interconnection networks. *IEEE Trans. Parallel and Distrib. Systems*, 10(10):1052–1066, 1999.
- [81] Nitin H. Vaidya. Staggered consistent checkpointing. *IEEE Trans. Parallel and Distrib. Systems*, 10(7):694–702, 1999.
- [82] Vara Varavithya and Prasant Mohapatra. Asynchronous tree-based multicasting in wormhole-switched mins. *IEEE Trans. Parallel and Distrib. Systems*, 10(11):1159–1178, 1999.
- [83] Peter J. Varman and Rakesh M. Verma. Tight bounds for prefetching and buffer management algorithms for parallel i/o systems. *IEEE Trans. Parallel and Distrib. Systems*, 10(12):1262–1275, 1999.
- [84] David S.L. Wei, Felix P. Muga II, and Kshirasagar Naik. Isomorphism of degree four cayley graph and wrapped butterfly and their optimal permutation routing algorithm. *IEEE Trans. Parallel and Distrib. Systems*, 10(12):1290–1298, 1999.
- [85] Limin Xiang, Kazuo Ushijima, Selim G. Akl, and Ivan Stojmenović. An efficient implementation for the broadcast instruction of bsr^+ . *IEEE Trans. Parallel and Distrib. Systems*, 10(8):852–863, 1999.
- [86] Masafumi Yamashita and Tsunehiko Kameda. Leader election problem on networks in which processor identity numbers are not distinct. *IEEE Trans. Parallel and Distrib. Systems*, 10(9):878–887, 1999.
- [87] Yuanyuan Yang and Jianchao Wang. A new self-routing multicast network. *IEEE Trans. Parallel and Distrib. Systems*, 10(12):1299–1316, 1999.
- [88] Yingchun Zhu and Laurie J. Hendren. Locality analysis for parallel c programs. *IEEE Trans. Parallel and Distrib. Systems*, 10(2):99–114, 1999.
- [89] Albert Y. Zomaya, Chris Ward, and Ben Macey. Genetic scheduling for parallel processor systems: Comparative studies and performance issues. *IEEE Trans. Parallel and Distrib. Systems*, 10(8):795–812, 1999.

- [90] Hengming Zou and Farnam Jahanian. A real-time primary-backup replication service. *IEEE Trans. Parallel and Distrib. Systems*, 10(6):533–548, 1999.