References

[1] Adnan Agbaria, Hagit Attiya, Roy Friedman, and Roman Vitenberg. Quantifying rollback propagation in distributed checkpointing. *J. Parallel Distrib. Comput.*, 64(3):370–384, 2004.

[2] Jose L. Aguilar and Ernst L. Leiss. Data dependent loop scheduling based on genetic algorithms for distributed and shared memory systems. *J. Parallel Distrib. Comput.*, 64(5):578–590, 2004.

[3] R. Al-Omari, Arun K. Somani, and G. Manimaran. Efficient overloading techniques for primary-backup scheduling in real-time systems. *J. Parallel Distrib. Comput.*, 64(5):629–648, 2004.

[4] K. Antonis, J. Garofalakis, I. Mourtos, and P. Spirakis. A hierarchical adaptive distributed algorithm for load balancing. *J. Parallel Distrib. Comput.*, 64(1):151–162, 2004.

[5] David A. Bader. An improved, randomized algorithm for parallel selection with an experimental study. *J. Parallel Distrib. Comput.*, 64(9):1051–1059, 2004.

[6] Susanne M. Balle, Bevin R. Brett, Chih-Ping Chen, and David LaFrance-Linden. Extending a traditional debugger to debug massively parallel applications. *J. Parallel Distrib. Comput.*, 64(5):617–628, 2004.

[7] Yosi Ben-Asher and Gadi Haber. Efficient parallel solutions of linear algebraic circuits. *J. Parallel Distrib. Comput.*, 64(1):163–172, 2004.

[8] A.A. Bertossi, M.C. Pinotti, R. Rizzi, and P. Gupta. Allocating servers in infostations for bounded simultaneous requests. *J. Parallel Distrib. Comput.*, 64(10):1113–1126, 2004.

[9] Alan A. Bertossi and Alessandro Mei. Time and work optimal simulation of basic reconfigurable meshes on hypercubes. *J. Parallel Distrib. Comput.*, 64(1):173–180, 2004.

[10] Alan A. Bertossi, Cristina M. Pinotti, Romeo Rizzi, and Anil M. Shende. Channel assignment for interference avoidance in honeycomb wireless networks. *J. Parallel Distrib. Comput.*, 64(12):1329–1344, 2004.

[11] Vittorio Bilò, Michele Flammini, and Roberto Giovannelli. Experimental analysis of online algorithms for the bicriteria scheduling problem. *J. Parallel Distrib. Comput.*, 64(9):1086–1100, 2004.

[12] Azzedine Boukerche and Sajal K. Das. Reducing null messages overhead through load balancing in conservative distributed simulation systems. *J. Parallel Distrib. Comput.*, 64(3):330–344, 2004.

[13] Laurence Boxer and Russ Miller. Coarse grained gather and scatter operations with applications. *J. Parallel Distrib. Comput.*, 64(11):1297–1310, 2004.

[14] Richard Brooks, David Friedlander, John Koch, and Shashi Phoha. Tracking multiple targets with self-organizing distributed ground sensors. *J. Parallel Distrib. Comput.*, 64(7):874–884, 2004.

[15] R.R. Brooks, Mengxia Zhu, Jacob Lamb, and S.S. Iyengar. Aspect-oriented design of sensor networks. *J. Parallel Distrib. Comput.*, 64(7):853–865, 2004.

[16] Marc Bui, Franck Butelle, and Christian Lavault. A distributed algorithm for constructing a minimum diameter spanning tree. *J. Parallel Distrib. Comput.*, 64(5):571–577, 2004.

[17] Tiziana Calamoneri and Annalisa Massini. Efficient algorithms for checking the equivalence of multistage interconnection networks. *J. Parallel Distrib. Comput.*, 64(1):135–150, 2004.

[18] Tiziana Calamoneri and Rossella Petreschi. $l(h,1)$-labeling subclasses of planar graphs. *J. Parallel Distrib. Comput.*, 64(3):414–426, 2004.

[19] Stuart Campbell, Mohan Kumar, and Stephan Olariu. The hierarchical cliques interconnection network. *J. Parallel Distrib. Comput.*, 64(1):16–28, 2004.

[20] Jiannong Cao, Min Cao, Alvin S.T. Chan, Gengfeng Wu, and Sajal K. Das. A framework for architecting and high-level programming support of corba applications. *J. Parallel Distrib. Comput.*, 64(6):725–739, 2004.

[21] Saravut Charcranoon, Thomas G. Robertazzi, and Serge Luryi. Load sequencing for a parallel processing utility. *J. Parallel Distrib. Comput.*, 64(1):29–35, 2004.

[22] Zhongqiang Chen, Alex Delis, and Henry L. Bertoni. Radio-wave propagation prediction using ray-tracing techniques on a network of workstations (now). *J. Parallel Distrib. Comput.*, 64(10):1127–1156, 2004.

[23] Steve C. Chiu, Wei-keng Liao, Alok N. Choudhary, and Mahmut T. Kandemir. Processor-embedded distributed smart disks for i/0-intensive workloads: Architectures, performance models and evaluation. *J. Parallel Distrib. Comput.*, 64(3):427–446, 2004. see Erratum in J. Parallel Distrib. Comput., Vol. 65, 2005, No. 7, 882-882.

[24] Yungho Choi and Timothy Mark Pinkston. Evaluation of queue designs for true fully adaptive routers. *J. Parallel Distrib. Comput.*, 64(5):606–616, 2004.

[25] Andrea E.F. Clementi, Angelo Monti, and Riccardo Silvestri. Round robin is optimal for fault-tolerant broadcasting on wireless networks. *J. Parallel Distrib. Comput.*, 64(1):89–96, 2004.

[26] Travis C. Collier and Charles Taylor. Self-organization in sensor networks. *J. Parallel Distrib. Comput.*, 64(7):866–873, 2004.

[27] Michel Cosnard, Emmanuel Jeannot, and Tao Yang. Compact dag representation and its symbolic scheduling. *J. Parallel Distrib. Comput.*, 64(8):921–935, 2004.

[28] Amitava Datta and Subbiah Soundaralakshmi. Fast and scalable algorithms for the euclidean distance transform on a linear array with a reconfigurable pipelined bus system. *J. Parallel Distrib. Comput.*, 64(3):360–369, 2004.

[29] Xavier Défago and André Schiper. Semi-passive replication and lazy consensus. *J. Parallel Distrib. Comput.*, 64(12):1380–1398, 2004.

[30] Nirmit Desai and Frank Mueller. Scalable hierarchical locking for distributed systems. *J. Parallel Distrib. Comput.*, 64(6):708–724, 2004.

[31] Vassilios V. Dimakopoulos. All-port total exchange in cartesian product networks. *J. Parallel Distrib. Comput.*, 64(8):936–944, 2004.

[32] Chen Ding and Ken Kennedy. Improving effective bandwidth through compiler enhancement of global cache reuse. *J. Parallel Distrib. Comput.*, 64(1):108–134, 2004.

[33] Nicholas J. Dingle, Peter G. Harrison, and William J. Knottenbelt. Uniformization and hypergraph partitioning for the distributed computation of response time densities in very large markov models. *J. Parallel Distrib. Comput.*, 64(8):908–920, 2004.

[34] Cleméntin Tayou Djamegni. Mapping rectangular mesh algorithms onto asymptotically space-optimal arrays. *J. Parallel Distrib. Comput.*, 64(3):345–359, 2004.

[35] Maciej Drozdowski and Pawel Wolniewicz. Performance limits of divisible load processing in systems with limited communication buffers. *J. Parallel Distrib. Comput.*, 64(8):960–973, 2004.

[36] Marco F. Duarte and Yu Hen Hu. Vehicle classification in distributed sensor networks. *J. Parallel Distrib. Comput.*, 64(7):826–838, 2004.

[37] Marc Ebner. A parallel algorithm for color constancy. *J. Parallel Distrib. Comput.*, 64(1):79–88, 2004.

[38] Antonio Fernández, Ernesto Jiménez, and Vicent Cholvi. On the interconnection of causal memory systems. *J. Parallel Distrib. Comput.*, 64(4):498–506, 2004.

[39] José-Jesús Fernández, José-María Carazo, and Inmaculada García. Three-dimensional reconstruction of cellular structures by electron microscope tomography and parallel computing. *J. Parallel Distrib. Comput.*, 64(2):285–300, 2004.

[40] Stefka Fidanova and Denis R. Trystram. Improved lower bounds for embedding hypercubes on de bruijn graphs. *J. Parallel Distrib. Comput.*, 64(3):327–329, 2004.

[41] M. Fleury, R.P. Self, and A.C. Downton. Development of a fine-grained parallel karhunen-loève transform. *J. Parallel Distrib. Comput.*, 64(4):520–535, 2004.

[42] Paola Flocchini, Evangelos Kranakis, Danny Krizanc, Flaminia L. Luccio, and Nicola Santoro. Sorting and election in anonymous asynchronous rings. *J. Parallel Distrib. Comput.*, 64(2):254–265, 2004.

[43] Toshiyuki Fujiwara, Kazuo Iwama, and Chuzo Iwamoto. Partially effective randomization in simulations between arbitrary and common prams. *J. Parallel Distrib. Comput.*, 64(3):319–326, 2004.

[44] Deepak Ganesan, Alberto Cerpa, Wei Ye, Yan Yu, Jerry Zhao, and Deborah Estrin. Networking issues in wireless sensor networks. *J. Parallel Distrib. Comput.*, 64(7):799–814, 2004.

[45] Antonio Gentile, Sam Sander, Linda Wills, and Scott Wills. The impact of grain size on the efficiency of embedded simd image processing architectures. *J. Parallel Distrib. Comput.*, 64(11):1318–1327, 2004.

[46] Leonidas Georgiadis, Christos Nikolaou, and Alexander Thomasian. A fair workload allocation policy for heterogeneous systems. *J. Parallel Distrib. Comput.*, 64(4):507–519, 2004.

[47] A. Goldman and D. Trystram. An efficient parallel algorithm for solving the knapsack problem on hypercubes. *J. Parallel Distrib. Comput.*, 64(11):1213–1222, 2004.

[48] Attila Gürsoy and Laxmikant V. Kale. Performance and modularity benefits of message-driven execution. *J. Parallel Distrib. Comput.*, 64(4):461–480, 2004.

[49] Xubin He, Ming Zhang, and Qing (Ken) Yang. Stics: Scsi-to-ip cache for storage area networks. *J. Parallel Distrib. Comput.*, 64(9):1069–1085, 2004.

[50] Martin C. Herbordt, Jade Cravy, and Honghai Zhang. Array control for high-performance simd systems. *J. Parallel Distrib. Comput.*, 64(3):400–413, 2004.

[51] E. Heymann, M.A. Senar, E. Luque, and M. Livny. Efficient resource management applied to master-worker applications. *J. Parallel Distrib. Comput.*, 64(6):767–773, 2004.

[52] Michael E. Houle, Antonios Symvonis, and David R. Wood. Dimension-exchange algorithms for token distribution on tree-connected architectures. *J. Parallel Distrib. Comput.*, 64(5):591–605, 2004.

[53] Hung-Chang Hsiao and Chung-Ta King. Tornado: A capability-aware peer-to-peer storage overlay. *J. Parallel Distrib. Comput.*, 64(6):747–758, 2004.

[54] Sun-Yuan Hsieh. An efficient parallel strategy for the two-fixed-endpoint hamiltonian path problem on distance-hereditary graphs. *J. Parallel Distrib. Comput.*, 64(5):662–685, 2004.

[55] Dror Irony, Sivan Toledo, and Alexander Tiskin. Communication lower bounds for distributed-memory matrix multiplication. *J. Parallel Distrib. Comput.*, 64(9):1017–1026, 2004.

[56] Michael Johnson, Albert Y. Zomaya, and Miro Kraetzl. Modeling external network behavior by using internal measurements. *J. Parallel Distrib. Comput.*, 64(12):1345–1359, 2004.

[57] Boris Kaludercic. Parallelisation of the lagrangian model in a mixed eulerian-lagrangian cfd algorithm. *J. Parallel Distrib. Comput.*, 64(2):277–284, 2004.

[58] Ahmed Kamal, Hesham El-Rewini, and Raza Ul-Mustafa. Optimal and approximate approaches for selecting proxy agents in mobile *ip* based network backbones. *J. Parallel Distrib. Comput.*, 64(4):554–568, 2004.

[59] Rajgopal Kannan, Sudipta Sarangi, and S. Sitharama Iyengar. Sensor-centric energy-constrained reliable query routing for wireless sensor networks. *J. Parallel Distrib. Comput.*, 64(7):839–852, 2004.

[60] Jeremy Kepner and Stan Ahalt. Matlabmpi. *J. Parallel Distrib. Comput.*, 64(8):997–1005, 2004.

[61] Manjunath Kudlur and R. Govindarajan. Performance analysis of methods that overcome false sharing effects in software dsms. *J. Parallel Distrib. Comput.*, 64(8):887–907, 2004.

[62] Yu-Kwong Kwok and Lap-Sun Cheung. A new fuzzy-decision based load balancing system for distributed object computing. *J. Parallel Distrib. Comput.*, 64(2):238–253, 2004.

[63] Shu Li, Rami Melhem, and Taieb Znati. An efficient algorithm for constructing delay bounded minimum cost multicast trees. *J. Parallel Distrib. Comput.*, 64(12):1399–1413, 2004.

[64] Yen-Chun Lin and Jun-Wei Hsiao. A new approach to constructing optimal parallel prefix circuits with small depth. *J. Parallel Distrib. Comput.*, 64(1):97–107, 2004.

[65] Brad Long. Distributed result set iterator: A design pattern for efficient retrieval of large result sets from remote data sources. *J. Parallel Distrib. Comput.*, 64(4):536–545, 2004.

[66] Thanasis Loukopoulos and Ishfaq Ahmad. Static and adaptive distributed data replication using genetic algorithms. *J. Parallel Distrib. Comput.*, 64(11):1270–1285, 2004.

[67] Yung-Cheng Ma, Tien-Fu Chen, and Chung-Ping Chung. Branch-and-bound task allocation with task clustering-based pruning. *J. Parallel Distrib. Comput.*, 64(11):1223–1240, 2004.

[68] Anirban Mahanti and Derek L. Eager. Adaptive data parallel computing on workstation clusters. *J. Parallel Distrib. Comput.*, 64(11):1241–1255, 2004.

[69] Shikharesh Majumdar, E-Kai Shen, and Istabrak Abdul-Fatah. Performance of adaptive corba middleware. *J. Parallel Distrib. Comput.*, 64(2):201–218, 2004.

[70] Partha Sarathi Mandal and Krishnendu Mukhopadhyaya. Concurrent checkpoint initiation and recovery algorithms on asynchronous ring networks. *J. Parallel Distrib. Comput.*, 64(5):649–661, 2004.

[71] G. Mohan, G. Venkatesan, and C. Siva Ram Murthy. Randomized routing and wavelength requirements in wavelength-routed wdm multistage, hypercube, and de bruijn networks. *J. Parallel Distrib. Comput.*, 64(3):385–399, 2004.

[72] Stavros D. Nikolopoulos. Parallel algorithms for hamiltonian problems on quasi-threshold graphs. *J. Parallel Distrib. Comput.*, 64(1):48–67, 2004.

[73] Naoki Nishimura, Yasuhiro Awatsuji, and Toshihiro Kubota. Two-dimensional arrangement of spatial patterns representing numerical data in input images for effective use of hardware resources in digital optical computing system based on optical array logic. *J. Parallel Distrib. Comput.*, 64(9):1027–1040, 2004.

[74] Kazumasa Oida and Shigeru Saito. A packet-size aware adaptive routing algorithm for parallel transmission server systems. *J. Parallel Distrib. Comput.*, 64(1):36–47, 2004.

[75] Haldun M. Ozaktas. Information flow and interconnections in computing: Extensions and applications of rent's rule. *J. Parallel Distrib. Comput.*, 64(12):1360–1370, 2004.

[76] Behrooz Parhami and Ding-Ming Kwai. Incomplete k-ary n-cube and its derivatives. *J. Parallel Distrib. Comput.*, 64(2):183–190, 2004.

[77] Heejin Park, Kunsoo Park, and Yookun Cho. Deleting keys of b-trees in parallel. *J. Parallel Distrib. Comput.*, 64(9):1041–1050, 2004.

[78] Jae H. Park, Gary Friedman, and Mark Jones. Geographical feature sensitive sensor placement. *J. Parallel Distrib. Comput.*, 64(7):815–825, 2004.

[79] Jung-Heum Park and Hee-Chul Kim. Longest paths and cycles in faulty star graphs. *J. Parallel Distrib. Comput.*, 64(11):1286–1296, 2004.

[80] Ali Pinar and Cevdet Aykanat. Fast optimal load balancing algorithms for 1d partitioning. *J. Parallel Distrib. Comput.*, 64(8):974–996, 2004.

[81] Steven J. Plimpton, Bruce Hendrickson, and James R. Stewart. A parallel rendezvous algorithm for interpolation between multiple grids. *J. Parallel Distrib. Comput.*, 64(2):266–276, 2004.

[82] Radu Prodan and Thomas Fahringer. Zenturio: A grid middleware-based tool for experiment management of parallel and distributed applications. *J. Parallel Distrib. Comput.*, 64(6):693–707, 2004.

[83] Sanguthevar Rajasekaran. Out-of-core computing on mesh connected computers. *J. Parallel Distrib. Comput.*, 64(11):1311–1317, 2004.

[84] D. Janaki Ram, A. Vijay Srinivas, and P. Manjula Rani. A model for parallel programming over corba. *J. Parallel Distrib. Comput.*, 64(11):1256–1269, 2004.

[85] Tiberiu Rotaru and Hans-Heinrich Nägeli. Dynamic load balancing by diffusion in heterogeneous systems. *J. Parallel Distrib. Comput.*, 64(4):481–497, 2004.

[86] Jesús Salceda, Iván Díaz, Juan Touriño, and Ramón Doallo. A middleware architecture for distributed systems management. *J. Parallel Distrib. Comput.*, 64(6):759–766, 2004.

[87] Xiaohui Shen and Alok Choudhary. A high-performance distributed parallel file system for data-intensive computations. *J. Parallel Distrib. Comput.*, 64(10):1157–1167, 2004.

[88] Shiuh-Pyng Shieh and Wen-Her Yang. Protecting network users in mobile code systems. *J. Parallel Distrib. Comput.*, 64(2):191–200, 2004.

[89] Leo Chin Sim, Heiko Schroder, and Graham Leedham. Major line removal morphological hough transform on a hybrid system. *J. Parallel Distrib. Comput.*, 64(9):1060–1068, 2004.

[90] R.S. Sisodia, I. Karthigeyan, B.S. Manoj, and C. Siva Ram Murthy. A novel scheme for supporting integrated unicast and multicast traffic in ad hoc wireless networks. *J. Parallel Distrib. Comput.*, 64(10):1185–1210, 2004.

[91] Warren Smith, Ian Foster, and Valerie Taylor. Predicting application run times with historical information. *J. Parallel Distrib. Comput.*, 64(9):1007–1016, 2004.

[92] Hans Stadtherr. Scheduling interval orders with communication delays in parallel. *J. Parallel Distrib. Comput.*, 64(1):1–15, 2004.

[93] Christopher Stone and Suresh Menon. Large-eddy simulations on distributed shared memory clusters. *J. Parallel Distrib. Comput.*, 64(10):1103–1112, 2004.

[94] Xueyan Tang and Samuel T. Chanson. Adaptive hash routing for a cluster of client-side web proxies. *J. Parallel Distrib. Comput.*, 64(10):1168–1184, 2004.

[95] Ashis Tarafdar and Vijay K. Garg. Predicate control: Synchronization in distributed computations with look-ahead. *J. Parallel Distrib. Comput.*, 64(2):219–237, 2004.

[96] Parimala Thulasiraman, Ashfaq A. Khokhar, Gerd Heber, and Guang R. Gao. A fine-grain load-adaptive algorithm of the 2d discrete wavelet transform for multithreaded architectures. *J. Parallel Distrib. Comput.*, 64(1):68–78, 2004.

[97] Sathish S. Vadhiyar and Jack J. Dongarra. Gradsolve — a grid-based rpc system for parallel computing with application-level scheduling. *J. Parallel Distrib. Comput.*, 64(6):774–783, 2004.

[98] Cheng Wang and Zhiyuan Li. A computation offloading scheme on handheld devices. *J. Parallel Distrib. Comput.*, 64(6):740–746, 2004.

[99] Roger Wattenhofer and Peter Widmayer. The counting pyramid: An adaptive distributed counting scheme. *J. Parallel Distrib. Comput.*, 64(4):449–460, 2004.

[100] Yingyue Xu and Hairong Qi. Distributed computing paradigms for collaborative signal and information processing in sensor networks. *J. Parallel Distrib. Comput.*, 64(8):945–959, 2004.

[101] Xiaofan Yang. A fast pessimistic one-step diagnosis algorithm for hypercube multicomputer systems. *J. Parallel Distrib. Comput.*, 64(4):546–553, 2004.

[102] Stephen S. Yau and Fariaz Karim. A context-sensitive middleware for dynamic integration of mobile devices with network infrastructures. *J. Parallel Distrib. Comput.*, 64(2):301–317, 2004.

[103] Li-Hsing Yen and Kuang-Hwei Chi. Maintaining a ring structure for mobile ad hoc computing. *J. Parallel Distrib. Comput.*, 64(12):1371–1379, 2004.

[104] Y. Zou and K. Chakrabarty. Uncertainty-aware and coverage-oriented deployment for sensor networks. *J. Parallel Distrib. Comput.*, 64(7):788–798, 2004.