Concurrency: Practice and Experience
Papers Published — 1993

(C91) "Levels of Atomic Action in the Flagship Parallel System"

Authors: K. R. Mayes, J. A. Keane, and S. Holdsworth

Current Status: Paper to Publisher (9/28/92) — Vol. 5, No. 3.

Short Code: [Mayes:93a]

(C103) "Experience with Multi-transputer Ada"

Authors: Judy M. Bishop and Ken S. Thomas

Current Status: Paper to Publisher (8/19/92) — Vol. 5, No. 2.

Short Code: [Bishop:93a]

(C105) "Implementation of Parallel Algorithms for Controlling Robot Manipulators"

Authors: P. J. McKerrow and J. A. Fulcher

Current Status: Paper to Publisher (9/28/92) — Vol. 5, No. 3.

Short Code: [McKerrow:93a]

(C116) "Competitive Neural Networks on Message Passing Parallel Computers"

Authors: M. Ceccarelli, A. Petrosino, and R. Vaccaro

Current Status: Paper to Publisher (9/28/92) — Vol. 5, No. 6.

Short Code: [Ceccarelli:93a]

(C119) "The Genesis Distributed Memory Benchmarks—I: Methodology and General Relativity Benchmark with Results for the SUPRENUM Computer"

Authors: C. Addison, J. Allwright, N. Binsted, N. Bishop, B. Carpenter, P. Dalloz, D. Gee, V. Getov, T. Hey, R. Hockney, M. Lemke, J. Merlin, M. Pinches, C. Scott, and I. Wolton

Current Status: Paper to Publisher (5/22/92) — Vol. 5, No. 1.

Short Code: [Addison:93a]

(C125) "An Overview of Manifold and Its Implementation"

Authors: F. Arbab, I. Herman, and P. Spilling

Current Status: Paper to Publisher (5/22/92) — Vol. 5, No. 1.

Short Code: [Arbab:93a]

(C130) "Parallel Program Design using High-level Petri Nets"

Authors: Ian Gorton

Current Status: Paper to Publisher (5/22/92) — Vol. 5, No. 2.

Short Code: [Gorton:93a]

(C131) "Massively Parallel Solution of Quadratic Programs via Successive Overrelaxation"

Authors: Renato De Leone, and M. A. Tork Roth

Current Status: Paper to Publisher (12/31/92) — Vol. 5, No. 8.

Short Code: [DeLeone:93a]

(C137) "Performance Analysis of the CM-2, a Massively Parallel SIMD Computer"

Authors: Jukka Helin

Current Status: Paper to Publisher (5/22/92) — Vol. 5, No. 1.

Short Code: [Helin:93a]

(C141) "Region-to-Region Visibility Analysis using Data Parallel Hypercube Machines"

Authors: Y. A. Teng, D. De Menthon, and L. Davis

Current Status: Paper to Publisher (9/28/92) — Vol. 5, No. 5.

Short Code: [Teng:93a]

(C142) "Parallel Distributed Seismic Migration"

Authors: G. S. Almasi, T. McLuckie, J. Bell, A. Gordon, and D. Hale

Current Status: Paper to Publisher (7/29/92) — Vol. 5, No. 2.

Short Code: [Almasi:93a]

(C144) "Monitoring and Visualizing Multiprocessor Interconnection Network Contention"

Authors: X. Zhang, and Z, Qin

Current Status: Paper to Publisher (3/15/93) — Vol. 5, No. 8.

Short Code: [Zhang:93a]

(C145) "Parallel Rendering of Volumetric Dataset on Distributed Memory Architectures"

Authors: C. Montani, R. Perego, and R. Scopigno

Current Status: Paper to Publisher (8/19/92) — Vol. 5, No. 2.

Short Code: [Montani:93a]

(C146) "Pyramid Mappings onto Hypercubes for Computer Vision: Connection Machine Comparative Study

Authors: S. G. Ziavras, and M. Siddiqui

Current Status: Paper to Publisher (10/28/92) — Vol. 5, No. 6.

Short Code: [Ziavras:93a]

(C147) "Tmon: A Performance Monitor for Transputer-based Multicomputers"

Authors: A. Wagner, J. Jiang, and S. Chanson

Current Status: Paper to Publisher (1/6/93) — Vol. 5, No. 6.

Short Code: [Wagner:93a]

(C149) "Kernel-Kernel Communication in a Shared-Memory Multiprocessor"

Authors: E. M. Chaves, P. Ch. Das, T. J. LeBlanc, B. D. Marsh, and M. L. Scott

Current Status: Paper to Publisher (9/24/92) — Vol. 5, No. 3.

Short Code: [Chaves:93a]

(C152) "Macromolecular Electron Density Averaging on Distributed Memory MIMD Systems"

Authors: D. C. Marinescu, J. R. Rice, M. A. Cornea-Hasegan, R. E. Lynch, and M. G. Rossmann

Current Status: Paper to Publisher (1/19/93) — Vol. 5, No. 8.

Short Code: [Marinescu:93a]

(C154) "Global Communications on Locally-Connected Message-Passing Parallel Computers"

Authors: Mark Debbage, Mark B. Hill, and Denis A. Nicole

Current Status: Paper to Publisher (10/28/92) — Vol. 5, No. 6.

Short Code: [Debbage:93a]

(C167) "Dependence Analysis for Outer Loop Parallelization of Exiting Fortran-77 Programs"

Authors: Josef Stein and Geoffrey C. Fox

Current Status: Paper to Publisher (2/12/93) — Vol. 5, No. 8.

Short Code: [Stein:93a]

(C170) "Model Programs for Computational Science: A Programming Methodology for Multicomputers"

Authors: Per Brinch Hansen

Current Status: Paper to Publisher (2/5/93) — Vol. 5, No. 5.

Short Code: [Hansen:93a]

(C171) "Parallel Cellular Automata: A Model Program for Computational Science"

Authors: Per Brinch Hansen

Current Status: Paper to Publisher (2/5/93) — Vol. 5, No. 5.

Short Code: [Hansen:93b]

(COM-1) "Analysis and Transformation in an Interactive Parallel Programming Tool"

Authors: K. Kennedy, K. S. McKinley, and C.-W. Tseng

Current Status: Paper to Publisher (5/14/92) — Vol. 5, No. 7.

Short Code: [Kennedy:93b]

(COM-2) "Engineering a Data Dependence Test"

Authors: Michael Wolfe

Current Status: Paper to Publisher (5/14/92) — Vol. 5, No. 7.

Short Code: [Wolfe:93a]

(COM-3) "Restructuring Fortran Programs for Cedar"

Authors: R. Eigenmann, J. Hoeflinger, G. Jaxon, Z. Li, and D. Padua

Current Status: Paper to Publisher (5/14/92) — Vol. 5, No. 7.

Short Code: [Eigenmann:93a]

(COM-4) "Optimization Techniques for SIMD Fortran Compilers"

Authors: K. Knobe, J. D. Lukas, and M. Weiss

Current Status: Paper to Publisher (5/14/92) — Vol. 5, No. 7.

Short Code: [Knobe:93a]

(HPDC-2) "Experiences with SLALOM on the Distributed Pleiades/ESP System"

Authors: L. F. Wilson, M. J. Gonzalez, and M. W. Cruess

Current Status: Paper to Publisher (7/27/92) — Vol. 5, No. 4.

Short Code: [Wilson:93a]

(HPDC-3) "Radiative Heat Transfer Simulation on a SPARCstation Farm"

Authors: R. G. Minnich, and D. V. Pryer

Current Status: Paper to Publisher (7/27/92) — Vol. 5, No. 4.

Short Code: [Minnich:93a]

(HPDC-4) "No Pain and Gain!—Experiences with Mentat on a Biological Application"

Authors: A. S. Grimshaw, E. A. West, and W. R. Pearson

Current Status: Paper to Publisher (7/27/92) — Vol. 5, No. 4.

Short Code: [Grimshaw:93a]

(HPDC-5) "Performance Comparison of Dynamic Policies for Remote Caching"

Authors: C. Pu, D. Florissi, P. Soares, K. Wu, and P. S. Yu

Current Status: Paper to Publisher (7/27/92) — Vol. 5, No. 4.

Short Code: [Pu:93a]

(HPDC-6) "Data-parallel Programming on a Network of Heterogeneous Workstations"

Authors: N. Nedeljković, and M. J. Quinn

Current Status: Paper to Publisher (7/27/92) — Vol. 5, No. 4.

Short Code: [Nedeljkovic:93a]

(HPDC-7) "Lattice Boltzmann Method on a Cluster of IBM RISC System/6000 Workstations"

Authors: G. Betello, G. Richelli, S. Succi, and F. Ruello

Current Status: Paper to Publisher (7/27/92) — Vol. 5, No. 4.

Short Code: [Betello:93a]

(HPDC-9) "ADAPTIVE—A Dynamically Assembled Protocol Transformation, Integration and eValuation Environment"

Authors: D. C. Schmidt, D. F. Box, and T. Suda

Current Status: Paper to Publisher (7/27/92) — Vol. 5, No. 4.

Short Code: [Schmidt:93a]

(HPDC-11) "Particle Simulation on Heterogeneous Distributed Supercomputers"

Authors: J. C. Becker and L. Dagum

Current Status: Paper to Publisher (7/27/92) — Vol. 5, No. 4.

Short Code: [Becker:93a]

(HPDC-12) "MOVIE Model for Open Systems Based High-Performance Distributed Computing"

Authors: W. Furmanski, C. Faigle, T. Haupt. J. Niemiec, M. Podgorny, and D. Simoni

Current Status: Paper to Publisher (7/27/92) — Vol. 5, No. 4.

Short Code: [Furmanski:93a]

(HPDC-13) "High-Performance Distributed Computing: Promises and Challenges"

Authors: S. Hariri and A. Varma

Current Status: Paper to Publisher (7/27/92) — Vol. 5, No. 4.

Short Code: [Hariri:93a]