References

[Adamo:91a] Adamo, J. M. "Exception handling for a communicating-sequential-processes-based extension of C + +," *Concurrency: Practice and Experience*, 3(1):15–41, February 1990.

[Addison:93a] Addison, C., Allwright, J., Binsted, N., Bishop, N., Carpenter, B., Dalloz, P., Gee, D., Getov, V., Hey, T., Hockney, R., Lemke, M., Merlin, J., Pinches, M., Scott, C., and I., W. "The Genesis distributed memory benchmarks — I: methodology and general relativity benchmark with results for the SUPRENUM computer," *Concurrency: Practice and Experience*, 5(1):1–22, February 1993.

[Ahmad:94a] Ahmad, I., Ghafoor, A., Mehrotra, M., Mohan, C. K., and Ranka, S. "Performance modeling of load balancing algorithms using neural networks," *Concurrency: Practice and Experience*, December 1993. Accepted for Publication.

[Albrizio:94a] Albrizio, R., Aloisio, G., Bochicchio, M., Mazzone, A., Messina, P., and Veneziani, N. "Pipeline optimization of the prime factor algorithm," *Concurrency: Practice and Experience*, April 1994. Accepted for Publication, CCSF-46.

[Almasi:93a] Almasi, G. S., McLuckie, T., Bell, J., Gordon, A., and Hale, D. "Parallel distributed seismic migration," *Concurrency: Practice and Experience*, 5(2):105–131, April 1993.

[Aloisio:91b] Aloisio, G., Lopinto, E., Veneziani, N., Fox, G. C., and Kim, J. S. "Two approaches to the concurrent implementation of the prime factor algorithm on a hypercube," *Concurrency: Practice and Experience*, 3(5):483–495, October 1991. Caltech Report C3P-874.

[Anagnostou:91a] Anagnostou, G., Fischer, P., Maday, Y., and Rønquist, E. "Numerical simulation of incompressible fluid flows," *Concurrency: Practice and Experience*, 3(6):667–685, December 1991. Special Issue: Practical Parallel Computing: Status and Prospects. Guest Editors: Paul Messina and Almerico Murli.

[Appiani:91a] Appiani, E., Bianco, D., Merlo, L., and Roncarolo, L. "The EMMA2 multiprocessor operating system," *Concurrency: Practice and Experience*, 3(6):541–557, December 1991. Special Issue: Practical Parallel Computing: Status and Prospects. Guest Editors: Paul Messina and Almerico Murli.

[Apuzzo:94a] D'Apuzzo, M., and de Rosa, M. A. "A parallel block row-action method for solving large sparse linear systems on distributed memory multiprocessors," *Concurrency: Practice and Experience*, 6(1):69–84, February 1994.

[Arbab:93a] Arbab, F., Herman, I., and Spilling, P. "An overview of Manifold and its implementation," *Concurrency: Practice and Experience*, 5(1):23–70, February 1993.

[Arbenz:94a] Arbenz, P., Sprenger, C., Lüthi, H. P., and Vogel, S. "SCIDDLE: a tool for large scale distributed computing," *Concurrency: Practice and Experience*, August 1994. Accepted for Publication.

[Ariyawansa:91a] Ariyawansa, K. A., and Hudson, D. D. "Performance of a benchmark parallel implementation of the Van Slyke and Wets algorithm for two-stage stochastic programs on the Sequent/Balance," *Concurrency: Practice and Experience*, 3(2):109–128, 1991.

[Atallah:91a] Atallah, M. J., and McFaddin, S. "Sequence comparison on the Connection Machine," *Concurrency: Practice and Experience*, 3(2):89–107, 1991.

[Averbuch:94a] Averbuch, A., Amitai, D., Friedman, R., and Gaber, E. "Portable parallel implementatioan of BLAS 3," *Concurrency: Practice and Experience*, January 1994. Accepted for Publication.

[Ayani:94a] Ayani, R., and Rajaei, H. "Parallel simulation based on conservative time windows: A performance study," *Concurrency: Practice and Experience*, 6(2):119–142, April 1994.

[Bacci:94a] Bacci, B., Danelutto, M., Orlando, S., Pelagatti, S., and Vanneschi, M. "P^3L: a structured high-level parallel language, and its structured support," *Concurrency: Practice and Experience*, August 1994. Accepted for Publication.

[Baillie:91a] Baillie, C. F., and Coddington, P. D. "Cluster identification algorithms for spin models," *Concurrency: Practice and Experience*, 3(2):129–144, April 1991. Caltech Report C3P-855.

[Bal:92a] Bal, H. E. "Fault-tolerant parallel programming in Argus," *Concurrency: Practice and Experience*, 4(1):35–55, February 1992.

[Bal:92b] Bal, H. E., Kaashoek, M. F., Tanenbaum, A. S., and Jansen, J. "Replication techniques for speeding up parallel applications on distributed systems," *Concurrency: Practice and Experience*, 4(5):337–355, 1992.

[Barak:92a] Barak, A., Guday, S., and Laor, R. "The MPE toolkit for supporting distributed applications," *Concurrency: Practice and Experience*, 4(6):459–480, 1992.

[Barbier:94a] Barbier, C., Sen, P., and Downie, M. "Parallel dynamic programming and ship voyage management," *Concurrency: Practice and Experience*, March 1994. Accepted for Publication.

[Barnard:94a] Barnard, S., and Simon, H. D. "A fast multilevel implementation of recursive spectral bisection for partitioning unstructured problems," *Concurrency: Practice and Experience*, 6(2):101–117, April 1994.

[Battiti:91a] Battiti, R. "Real-time multiscale vision on multicomputers," *Concurrency: Practice and Experience*, 3(2):55–87, 1991. Caltech Report C3P-932b.

[Beavis:92a] Beavis, A., and Phillips, C. "Parallelisation of a dusty deck Fortran program," *Concurrency: Practice and Experience*, 4(8):575–587, 1992.

[Becker:93a] Becker, J. C., and Dagum, L. "Particle simulation on heterogeneous distributed supercomputers," *Concurrency: Practice and Experience*, 5(4):367–377, June 1993. Special Issue: High Performance Distributed Computing. Guest Editors: Salim Hariri and Anujan Varma.

[Berggren:94a] Berggren, M. "Solving an advection-diffusion problem on the Connection Machine," *Concurrency: Practice and Experience*, 6(1):55–68, February 1994.

[Berrendorf:92a] Berrendorf, R., and Helin, J. "Evaluating the basic performance of the Intel iPSC/860 parallel computer," *Concurrency: Practice and Experience*, 4(3):223–240, 1992.

[Berryman:91a] Berryman, H., Saltz, J., and Scroggs, J. "Execution time support for adaptive scientific algorithms on distributed memory machines," *Concurrency: Practice and Experience*, 3(3):159–178, 1991.

[Betello:93a] Betello, G., Richelli, G., Succi, S., and Ruello, F. "Lattice Boltzmann method on a cluster of IBM RISC system/6000 workstations," *Concurrency: Practice and Experience*, 5(4):359–366, June 1993. Special Issue: High Performance Distributed Computing. Guest Editors: Salim Hariri and Anujan Varma.

[Beton:91a] Beton, R., Kingdon, J., and Upstill, C. "A transputer radar ESM data processor," *Concurrency: Practice and Experience*, 3(4):303–313, August 1991. Special Issue: Highlights of Transputer Applications. Guest Editor: David Pritchard.

[Bishop:93a] Bishop, J. M., and Thomas, K. S. "Experience with multi-transputer Ada," *Concurrency: Practice and Experience*, 5(2):133–151, April 1993. Accepted for publication.

[Boillat:90a] Boillat, J. E. "Load balancing and poisson equation in a graph," *Concurrency: Practice and Experience*, 2(4):289–314, 1990.

[Bomans:89a] Bomans, L. "Benchmarking the iPSC/2 hypercube multiprocessor," *Concurrency: Practice and Experience*, 1(1):3–18, 1989.

[Brochard:92a] Brochard, L., and Freau, A. "Computation and data movement on RP3," *Concurrency: Practice and Experience*, 4(1):57–78, February 1992.

[Brochard:92b] Brochard, L., and Freau, A. "Designing algorithms on RP3," *Concurrency: Practice and Experience*, 4(1):79–106, February 1992.

[Brugnano:92a] Brugnano, L. "Two-level twisted preconditionings for parallel computers," *Concurrency: Practice and Experience*, 4(2):107–119, April 1992.

[Butcher:94a] Butcher, P., Wood, A., and Atkins, M. "Global synchronization in Linda," *Concurrency: Practice and Experience*, December 1993. Accepted for Publication.

[Cannataro:92a] Cannataro, M., Gallizzi, E., Spazzano, G., and Talia, D. "Design, implementation and evaluation of a deadlock-free routing algorithm for concurrent computers," *Concurrency: Practice and Experience*, 4(2):143–161, April 1992.

[Ceccarelli:93a] Ceccarelli, M., Petrosino, A., and Vaccaro, R. "Competitive neural networks on message passing parallel computers," *Concurrency: Practice and Experience*, 5(6):449–470, September 1993.

[Chatterjee:91a] Chatterjee, A., Khanna, A., and Hung, Y. "ES-Kit: an object-oriented distributed system," *Concurrency: Practice and Experience*, 3(6):525–539, December 1991. Special Issue: Practical Parallel Computing: Status and Prospects. Guest Editors: Paul Messina and Almerico Murli.

[Chaves:93a] Chaves, E. M., Das, P. C., LeBlanc, T. J., Marsh, B. D., and Scott, M. L. "Kernel-Kernel communication in a shared-memory multiprocessor," *Concurrency: Practice and Experience*, 5(3):171–191, May 1993.

[Choi:94a] Choi, J., Dongarra, J. J., and Walker, D. W. "PUMMA: parallel universal matrix multiplication algorithms on distributed memory concurrent computers," *Concurrency: Practice and Experience*, December 1993. Accepted for Publication.

[Chong:91a] Chong, M., Fallside, F., Prager, R., and Marsland, T. "Blade runner: A real-time speech recogniser," *Concurrency: Practice and Experience*, 3(3):145–157, 1991.

[Choudhary:92a] Choudhary, A. N., and Ponnusamy, R. "Run-time data decomposition for parallel implementation," *Concurrency: Practice and Experience*, 4(4):313–334, June 1992.

[Christian:91a] Christian, S. "VLSI design stations using transputers," *Concurrency: Practice and Experience*, 3(4):435–443, August 1991. Special Issue: Highlights of Transputer Applications. Guest Editor: David Pritchard.

[Chuang:94a] Chuang, L., Rego, V., and Mathur, A. "Experiments with *program unification* on the CRAY Y-MP," *Concurrency: Practice and Experience*, 6(1):33–53, February 1994.

[Cignoni:94a] Cignoni, P., Laforenza, D., Montani, C., Perego, R., and Scopigno, R. "Evaluation of parallelization strategies for an incremental Delaunay triangulator in E^3," *Concurrency: Practice and Experience*, July 1994. Accepted for Publication.

[Clarke:91a] Clarke, L., and Wilson, G. "Tiny: An efficient routing harness for the INMOS transputer," *Concurrency: Practice and Experience*, 3(3):221–245, 1991.

[Clayton:94a] Clayton, S., Duckworth, R. J., and Michalson, W. "Determining update latency bounds in galactica nets," *Concurrency: Practice and Experience*, March 1994. Accepted for Publication.

[Clint:94a] Clint, M., Weston, J. S., and Bleakney, C. W. "Comparison of parallel Fortran environments on the AMT DAP 510 for a linear algebra application," *Concurrency: Practice and Experience*, 6(3):193–204, May 1994.

[Cornea:94a] Cornea-Hasegan, M. C., Marinescu, D. C., and Zhang, Z. "Data management for a class of iterative computations on distributed-memory MIMD systems," *Concurrency: Practice and Experience*, 6(3):205–229, May 1994.

[Dagum:92a] Dagum, L. "Data parallel sorting for particle simulation," *Concurrency: Practice and Experience*, 4(3):241–255, May 1992.

[Darlington:90a] Darlington, J., Reeve, M., and Wright, S. "Declarative languages and program transformation for programming parallel systems: A case study," *Concurrency: Practice and Experience*, 2(3):149–170, 1990.

[Davis:92a] Davis IV, N. J., Glover, C. W., Carpenter, B. A., and Culioli, J. "Parallel approaches to the solution of the assignment problem," *Concurrency: Practice and Experience*, 4(2):163–184, April 1992.

[Debbage:93a] Debbage, M., Hill, M. B., and Nicole, D. A. "Global communications on locally-connected message-passing parallel computers," *Concurrency: Practice and Experience*, 5(6):491–509, September 1993.

[DeLeone:93a] De Leone, R., and Tork Roth, M. A. "Massively parallel solution of quadratic programs via successive overrelaxation," *Concurrency: Practice and Experience*, 5(8):623–634, December 1993.

[Demmel:91a] Demmel, J. "LAPACK: A portable linear algebra library for high-performance computers," *Concurrency: Practice and Experience*, 3(6):655–666, December 1991. Special Issue: Practical Parallel Computing: Status and Prospects. Guest Editors: Paul Messina and Almerico Murli.

[Dunford:91a] Dunford, C. M., Thompson, J. A., and Yearby, K. H. "A transputer-based instrument for the ESA/NASA cluster mission," *Concurrency: Practice and Experience*, 3(4):293–302, August 1991. Special Issue: Highlights of Transputer Applications. Guest Editor: David Pritchard.

[Dunigan:92a] Dunigan, T. H. "Hypercube clock synchronization," *Concurrency: Practice and Experience*, 4(3):257–268, May 1992.

[Eigenmann:93a] Eigenmann, R., Hoeflinger, J., Jaxon, G., Li, Z., and Padua, D. "Restructuring Fortran programs for Cedar," *Concurrency: Practice and Experience*, 5(7):553–573, October 1993. Special Issue: Compilers for Parallel Computers. Guest Editors: Ken Kennedy and Hans Zima.

[Eppinger:91a] Eppinger, A. "Object-oriented simulations in mechatronics," *Concurrency: Practice and Experience*, 3(4):387–397, August 1991. Special Issue: Highlights of Transputer Applications. Guest Editor: David Pritchard.

[Erhard:92a] Erhard, W., and Schäfer, M. "Numerical simulation of three-dimensional thermal convection on the array processor DAP 510," *Concurrency: Practice and Experience*, 4(1):19–35, February 1992.

[Fox:89n] Fox, G. C. "Parallel computing comes of age: Supercomputer level parallel computations at Caltech," *Concurrency: Practice and Experience*, 1(1):63–103, September 1989. Caltech Report C3P-795.

[Fox:91f] Fox, G. C. "Achievements and prospects for parallel computing," *Concurrency: Practice and Experience*, 3(6):725–739, December 1991. Special Issue: Practical Parallel Computing: Status and Prospects. Guest Editors: Paul Messina and Almerico Murli. SCCS-29b, C3P-927b, CRPC-TR90083.

[Fox:91j] Fox, G. C. "Physical computation," *Concurrency: Practice and Experience*, 3(6):627–653, December 1991. Special Issue: Practical Parallel Computing: Status and Prospects. Guest Editors: Paul Messina and Almerico Murli. SCCS-2b, C3P-928b, CRPC-TR90090.

[Furmanski:93a] Furmanski, W., Faigle, C., Haupt, T., Niemiec, J., Podgorny, M., and Simoni, D. "MOVIE model for open systems based high-performance distributed computing," *Concurrency: Practice and Experience*, 5(4):287–308, June 1993. Special Issue: High Performance Distributed Computing. Guest Editors: Salim Hariri and Anujan Varma.

[Geist:92a] Geist, G. A., and Sunderam, V. S. "Network based concurrent computing on the PVM system," *Concurrency: Practice and Experience*, 4(4):293–311, June 1992.

[Gerndt:90a] Gerndt, M. "Updating distributed variables in local computations," *Concurrency: Practice and Experience*, 2(3):171–194, 1990.

[Gerogiannis:89a] Gerogiannis, D. C., Orphanoudakis, S. C., and Johnsson, S. "Histogram computation on distributed memory architectures," *Concurrency: Practice and Experience*, 1(2):219–237, December 1989.

[Gorton:93a] Gorton, I. "Parallel program design using high-level Petri nets," *Concurrency: Practice and Experience*, 5(2):87–104, April 1993.

[Grabienski:91a] Grabienski, P. "DACAPO-III: Parallel multilevel hardware simulation on transputers," *Concurrency: Practice and Experience*, 3(4):381–386, August 1991. Special Issue: Highlights of Transputer Applications. Guest Editor: David Pritchard.

[Grimshaw:93a] Grimshaw, A. S., West, E. A., and Pearson, W. R. "No pain and gain!—experiences with Mentat on a biological application," *Concurrency: Practice and Experience*, 5(4):309–328, June 1993. Special Issue: High Performance Distributed Computing. Guest Editors: Salim Hariri and Anujan Varma.

[Hall:91a] Hall, G., Terrell, T. J., and Murphy, L. M. "The Radon transform on a dynamically switched transputer network," *Concurrency: Practice and Experience*, 3(4):315–323, August 1991. Special Issue: Highlights of Transputer Applications. Guest Editor: David Pritchard.

[Hansen:93a] Hansen, P. "Model programs for computational science: A programming methodology for multicomputers," *Concurrency: Practice and Experience*, 5(5):407–423, August 1993.

[Hansen:93b] Hansen, P. "Parallel cellular automata: A model program for computational science," *Concurrency: Practice and Experience*, 5(5):425–448, August 1993.

[Hansen:94a] Hansen, P. "Do hypercubes sort faster than tree machines?," *Concurrency: Practice and Experience*, 6(2):143–151, April 1994.

[Hansen:94b] Hansen, P. "Super Pascal—a publication language for parallel scientific computing," *Concurrency: Practice and Experience*, April 1994. Accepted for Publication.

[Hanson:90a] Hanson, F. B., and Sorensen, D. C. "The SCHEDULE parallel programming package with recycling job queues and iterated dependency graphs," *Concurrency: Practice and Experience*, 2(1):33–53, March 1990.

[Hariri:93a] Hariri, S., and Varma, A. "High-performance distributed computing: Promises and challenges," *Concurrency: Practice and Experience*, 5(4):233–238, June 1993. Special Issue: High Peformance Distributed Computing. Guest Editors: Salim Hariri and Anujan Varma.

[Hauser:92a] Hauser, J., Wong, H., Paap, H. G., and Gentzsch, W. "Parallel computing in aerospace using multi-block grids," *Concurrency: Practice and Experience*, 4(5):357–376, 1992.

[Helin:93a] Helin, J. "Performance analysis of the CM-2, a massively parallel SIMD computer," *Concurrency: Practice and Experience*, 5(1):71–85, February 1993.

[Ho:92a] Ho, C., and Raghunath, M. T. "Efficient communication primitives on hypercubes," *Concurrency: Practice and Experience*, 4(6):427–457, 1992.

[Hoare:91a] Hoare, C. A. R. "The transputer and occam: a personal story," *Concurrency: Practice and Experience*, 3(4):249–264, August 1991. Special Issue: Highlights of Transputer Applications. Guest Editor: David Pritchard.

[Hockney:94a] Hockney, R. W. "Computational similarity," *Concurrency: Practice and Experience*, August 1994. Accepted for Publication.

[Hoogerbrugge:94a] Hoogerbrugge, P., and Mirchandaney, R. "Parallel computing using a heterogeneous network of workstations," *Concurrency: Practice and Experience*, March 1994. Accepted for Publication.

[Huss:94a] Huss-Lederman, S., Jacobson, E. M., Tsao, A., and Zhang, G. "Matrix multiplication on the Intel Touchstone Delta," *Concurrency: Practice and Experience*, March 1994. Accepted for Publication.

[Jard:92a] Jard, C., and Jezequel, J.-M. "Echidna, an Estelle-compiler to prototype protocols on distributed computers," *Concurrency: Practice and Experience*, 4(5):377–397, 1992.

[Jensen:92a] Jensen, D. W., and Reed, D. A. "A performance analysis exemplar: Parallel ray tracing," *Concurrency: Practice and Experience*, 4(2):119–141, April 1992.

[Joe:90a] Joe, K., Mori, Y., and Miyake, S. "Construction of a large-scale neural network," *Concurrency: Practice and Experience*, 2(2):79–107, June 1990.

[Jones:89a] Jones, P., and Murta, A. "Practical experience of run-time link reconfiguration in a multi-transputer machine," *Concurrency: Practice and Experience*, 1(2):171–189, December 1989.

[Kennedy:93b] Kennedy, K., McKinley, K. S., and Tseng, C. "Analysis and transformation in an interactive parallel programming tool," *Concurrency: Practice and Experience*, 5(7):575–602, October 1993. Special Issue: Compilers for Parallel Computers. Guest Editors: Ken Kennedy and Hans Zima.

[Khaddaj:91a] Khaddaj, S. A., Al-Bahadili, H., Goddard, A. J. H., De Oliveira, C. R. E., and Wood, J. "The solution of radiation engineering problems on a transputer-based system," *Concurrency: Practice and Experience*, 3(4):423–434, August 1991. Special Issue: Highlights of Transputer Applications. Guest Editor: David Pritchard.

[Kim:90a] Kim, Y., and Kim, M. "A stepwise-overlapped parallel simulated annealing algorithm on a message-passing multiprocessor system," *Concurrency: Practice and Experience*, 2(2):123–148, June 1990.

[Knobe:93a] Knobe, K., Lukas, J. D., and Weiss, M. "Optimization techniques for SIMD Fortran compilers," *Concurrency: Practice and Experience*, 5(7):527–552, October 1993. Special Issue: Compilers for Parallel Computers. Guest Editors: Ken Kennedy and Hans Zima.

[Kumar:91a] Kumar, S. P., and Philips, I. R. "Portable tools for Fortran parallel programming," *Concurrency: Practice and Experience*, 3(6):559–572, December 1991. Special Issue: Practical Parallel Computing: Status and Prospects. Guest Editors: Paul Messina and Almerico Murli.

[Landry:94a] Landry, K., and Arthur, J. D. "Instructional footprinting and semantic preservation in Linda," *Concurrency: Practice and Experience*, August 1994. Accepted for Publication.

[Lapegna:92a] Lapegna, M. "Global adaptive quadrature for the approximate computation of multidimensional integrals on a distributed-memory multiprocessor," *Concurrency: Practice and Experience*, 4(6):413–426, 1992.

[Leuze:89a] Leuze, M. R., Dowdy, L. W., and Park, K. "Multiprogramming a distributed-memory multiprocessor," *Concurrency: Practice and Experience*, 1(1):19–33, 1989.

[Lin:91a] Lin, W., and Fraser, D. A. "Algorithms and timing for identification of objects from 2-D images," *Concurrency: Practice and Experience*, 3(4):325–331, August 1991. Special Issue: Highlights of Transputer Applications. Guest Editor: David Pritchard.

[Mansour:92a] Mansour, N., and Fox, G. C. "Allocating data to multicomputer nodes by physical optimization algorithms for loosely synchronous computations," *Concurrency: Practice and Experience*, 4(7):557–574, 1992. SCCS-350, CRPC-TR92262.

[Mansour:93a] Mansour, N., and Fox, G. C. "Allocating data to distributed-memory multiprocessors by genetic algorithms," *Concurrency: Practice and Experience*, August 1993. Accepted for publication.

[Marcenaro:91a] Marcenaro, G., and Tistarelli, M. "Analysis of multidimensional images on the Connection Machine* system," *Concurrency: Practice and Experience*, 3(6):699–713, December 1991. Special Issue: Practical Parallel Computing: Status and Prospects. Guest Editors: Paul Messina and Almerico Murli.

[Marinescu:91a] Marinescu, D. C., and Rice, J. R. "Synchronization and load imbalance effects in distributed memory multi-processor systems," *Concurrency: Practice and Experience*, 3(6):593–625, December 1991. Special Issue: Practical Parallel Computing: Status and Prospects. Guest Editors: Paul Messina and Almerico Murli.

[Marinescu:93a] Marinescu, D. C., Rice, J. R., Cornea-Hasegan, M. A., Lynch, R. E., and Rossmann, M. G. "Macromolecular electron density averaging on distributed memory MIMD systems," *Concurrency: Practice and Experience*, 5(8):635–657, December 1993.

[Marsland:91a] Marsland, T. A., Breitkreutz, T., and Sutphen, S. "A network multi-processor for experiments in parallelism," *Concurrency: Practice and Experience*, 3(3):203–219, 1991.

[Mayes:93a] Mayes, K. R., Keane, J. A., and Holdsworth, S. "Levels of atomic action in the flagship parallel system," *Concurrency: Practice and Experience*, 5(3):193–212, May 1993.

[McKerrow:93a] McKerrow, P. J., and Fulcher, J. A. "Implementation of parallel algorithms for controlling robot manipulators," *Concurrency: Practice and Experience*, 5(3):213–232, May 1993.

[Messina:90a] Messina, P., Baillie, C. F., Felten, E. W., Hipes, P. G., Walker, D. W., Williams, R. D., Pfeiffer, W., Alagar, A., Kamrath, A., Leary, R. H., and Rogers, J. "Benchmarking advanced architecture computers," *Concurrency: Practice and Experience*, 2(3):195–256, 1990. Caltech Report C3P-712b.

[Messina:91a] Messina, P. "Parallel computing in the 1980s — one person's view," *Concurrency: Practice and Experience*, 3(6):501–524, December 1991. Special Issue: Practical Parallel Computing: Status and Prospects. Guest Editors: Paul Messina and Almerico Murli. Caltech Report CCSF-4-91.

[Mills:91a] Mills, E., and O'Neill, B. C. "Particle flow instrumentation," *Concurrency: Practice and Experience*, 3(4):275–281, August 1991. Special Issue: Highlights of Transputer Applications. Guest Editor: David Pritchard.

[Minnich:93a] Minnich, R. G., and Pryor, D. V. "Radiative heat transfer simulation on a SPARCstation farm," *Concurrency: Practice and Experience*, 5(4):345–357, June 1993. Special Issue: High Performance Distributed Computing. Guest Editors: Salim Hariri and Anujan Varma.

[Mirmehdi:91a] Mirmehdi, M. "Product label inspection using transputers," *Concurrency: Practice and Experience*, 3(4):265–273, August 1991. Special Issue: Highlights of Transputer Applications. Guest Editor: David Pritchard.

[Montani:93a] Montani, C., Perego, R., and Scopigno, R. "Parallel rendering of volumetric dataset on distributed memory architectures," *Concurrency: Practice and Experience*, 5(2):153–167, April 1993.

[Narayanan:94a] Narayanan, P. J., and Davis, L. S. "Parallel search for the interpretation of aerial images," *Concurrency: Practice and Experience*, March 1994. Accepted for Publication.

[Nedeljkovic:93a] Nedeljković, N., and Quinn, M. J. "Data-parallel programming on a network of heterogeneous workstations," *Concurrency: Practice and Experience*, 5(4):257–268, June 1993. Special Issue: High Performance Distributed Computing. Guest Editors: Salim Hariri and Anujan Varma.

[Norman:91a] Norman, M., Henderson, J., Main, I., and Wallace, D. "The use of the CAPE environment in the simulation of rock fracturing," *Concurrency: Practice and Experience*, 3(6):687–698, December 1991. Special Issue: Practical Parallel Computing: Status and Prospects. Guest Editors: Paul Messina and Almerico Murli.

[Perrott:92a] Perrott, R. H., and Ramasubbu, A. "An experiment in concurrent software evaluation," *Concurrency: Practice and Experience*, 4(7):533–555, 1992.

[Perrott:92b] Perrott, R. H. "Parallel language developments in Europe: An overview," *Concurrency: Practice and Experience*, 4(8):589–617, 1992.

[Pietro:94a] de Pietro, G., and Villano, U. "A clock synchronization algorithm for the performance analysis of multicomputer systems," *Concurrency: Practice and Experience*, March 1994. Accepted for Publication.

[Prior:90a] Prior, D., Norman, M. G., Radcliffe, N. J., and Clarke, L. J. "What price regularity?," *Concurrency: Practice and Experience*, 2(1):55–78, March 1990.

[Probert:91a] Probert, P. J., Djian, D., and Hu, H. "Transputer architectures for sensing in a robot controller: Formal methods for design," *Concurrency: Practice and Experience*, 3(4):283–292, August 1991. Special Issue: Highlights of Transputer Applications. Guest Editor: David Pritchard.

[Pu:93a] Pu, C., Florissi, D., Soares, P., Wu, K., and Yu, P. S. "Performance comparison of dynamic policies for remote caching," *Concurrency: Practice and Experience*, 5(4):239–256, June 1993. Special Issue: High Peformance Distributed Computing. Guest Editors: Salim Hariri and Anujan Varma.

[Rabhi:91a] Rabhi, P. A., and Manson, G. A. "Experiments with a transputer-based parallel graph reduction machine," *Concurrency: Practice and Experience*, 3(4):413–422, August 1991. Special Issue: Highlights of Transputer Applications. Guest Editor: David Pritchard.

[Renterghem:89a] Van Renterghem, P. "Transputers for industrial applications," *Concurrency: Practice and Experience*, 1(2):135–169, December 1989.

[Robertson:91a] Robertson, B., Chopping, M., Zielinski, K., and Milway, D. "The metrobridge—an application of transputers in transparent bridging," *Concurrency: Practice and Experience*, 3(4):445–453, August 1991. Special Issue: Highlights of Transputer Applications. Guest Editor: David Pritchard.

[Rygol:91a] Rygol, M., Pollard, S., and Brown, C. "MARVIN and TINA: A multiprocessor 3-D vision system," *Concurrency: Practice and Experience*, 3(4):333–356, August 1991. Special Issue: Highlights of Transputer Applications. Guest Editor: David Pritchard.

[Saltz:91b] Saltz, J., Berryman, H., and Wu, J. "Multiprocessor and runtime compilation," *Concurrency: Practice and Experience*, 3(6):573–592, December 1991. Special Issue: Practical Parallel Computing: Status and Prospects. Guest Editors: Paul Messina and Almerico Murli.

[Schmidt:94a] Schmidt, B. K., and Sunderam, V. S. "Empirical analysis of overheads in cluster environments," *Concurrency: Practice and Experience*, 6(1):1–32, February 1994.

[Schmidt:93a] Schmidt, D. C., Box, D. F., and Suda, T. "ADAPTIVE—a dynamically assembled protocol transformation, integration and eValuation environment," *Concurrency: Practice and Experience*, 5(4):269–286, June 1993. Special Issue: High Performance Distributed Computing. Guest Editors: Salim Hariri and Anujan Varma.

[Schwan:89a] Schwan, K., Bo, W., Blake, B., and Gawkowski, J. "OS primitives for the implementation of distributed objects in multicomputers: Experimentation with a parallel branch-and-bound algorithm," *Concurrency: Practice and Experience*, 1(2):191–218, December 1989.

[Scott:89a] Scott, R. B., and Trehan, R. "Translating from PARLOG to occam2: A methodology," *Concurrency: Practice and Experience*, 1(1):105–134, 1989.

[Serafino:92a] di Serafino, D., Murli, A., and Perla, F. "A fast poisson solver for distributed memory multiprocessors," *Concurrency: Practice and Experience*, 4(7):499–508, 1992.

[Shadid:92a] Shadid, J. N., and Tuminaro, R. S. "Sparse iterative algorithm software for large-scale MIMD machines: An initial discussion and implementation," *Concurrency: Practice and Experience*, 4(6):481–497, September 1992.

[Shao:94a] Shao, J., Bell, D. A., and Hull, M. E. C. "Processing recursive queries on transputers," *Concurrency: Practice and Experience*, July 1994. Accepted for Publication.

[Sipcic:91a] Sipcic, S., and Westbrook, T. "Aeroelastic applications of the Connection Machine," *Concurrency: Practice and Experience*, 3(6):715–724, December 1991. Special Issue: Practical Parallel Computing: Status and Prospects. Guest Editors: Paul Messina and Almerico Murli.

[Skvoretz:92a] Skvoretz, J., Smith, S. A., and Baldwin, C. "Parallel processing applications for data analysis in the social sciences," *Concurrency: Practice and Experience*, 4(3):207–221, 1992.

[Stein:93a] Stein, J., and Fox, G. C. "Dependence analysis for outer loop parallelization of existing Fortran-77 programs," *Concurrency: Practice and Experience*, 5(8):659–674, December 1993.

[Stephen:91a] Stephen, G. A., Dagless, E. L., and Taylor, C. A. "A visual tracking system for the measurement of dynamic structural displacements," *Concurrency: Practice and Experience*, 3(4):357–366, August 1991. Special Issue: Highlights of Transputer Applications. Guest Editor: David Pritchard.

[Sturtevant:92a] Sturtevant, J. E., Maccabe, A. B., and Campbell, P. M. "Performance of a Particle-in-Cell plasma simulation code on the BBN TC2000," *Concurrency: Practice and Experience*, 4(1):1–18, February 1992.

[Sunderam:90a] Sunderam, V. S. "PVM: a framework for parallel distributed computing," *Concurrency: Practice and Experience*, 2(4):315–340, 1990.

[Tahir:90a] Tahir, J. M., and Virk, G. S. "A real time distributed algorithm for an aircraft longitudinal optimal autopilot," *Concurrency: Practice and Experience*, 2(2):109–121, June 1990.

[Tarnvik:94a] Tärnvik, E. "Dynamo—a portable tool for dynamic load balancing on distributed memory multicomputers," *Concurrency: Practice and Experience*, March 1994. Accepted for Publication.

[Teng:93a] Teng, Y. A., De Menthon, D., and Davis, L. "Region-to-region visibility analysis using data parallel hypercube machines," *Concurrency: Practice and Experience*, 5(5):379–406, August 1993.

[Tollenaere:94a] Tollenaere, T., Saraiva, J. M., and Van Hulle, M. M. "Massive MIMD neural network simulations: The connections dilemma," *Concurrency: Practice and Experience*, 6(3):153–191, May 1994.

[Toomarian:94a] Toomarian, N., Fijany, A., and Barhen, J. "Time parallel solution of linear partial differential equations on the Intel Touchstone Delta supercomputer," *Concurrency: Practice and Experience*, March 1994. Accepted for Publication.

[Vaughan:91a] Vaughan, J. R., Brookes, G. R., Fletcher, M. A., and Wills, D. P. M. "Parallel processing architectures used in a real-time display application," *Concurrency: Practice and Experience*, 3(3):187–201, 1991.

[Velde:90a] Van de Velde, E. "Experiments with multicomputer LU decomposition," *Concurrency: Practice and Experience*, 2(1):1–26, 1990. Caltech Report C3P-725.

[Wagner:93a] Wagner, A., Jiang, J., and Chanson, S. "Tmon: A performance monitor for transputer-based multicomputers," *Concurrency: Practice and Experience*, 5(6):511–526, 1993.

[Walker:90b] Walker, D. W. "Characterizing the parallel performance of a large-scale, particle-in-cell plasma simulation code," *Concurrency: Practice and Experience*, 2(4):257–288, 1990. Caltech Report C3P-912.

[Walker:92a] Walker, D. W., Worley, P. H., and Drake, J. B. "Parallelizing the spectral transform method—Part II," *Concurrency: Practice and Experience*, 4(7):509–531, 1992.

[Walshaw:94a] Walshaw, C., and Berzins, M. "Dynamic load balancing for PDE solvers on adaptive unstructured meshes," *Concurrency: Practice and Experience*, April 1994. Accepted for Publication.

[Wang:91a] Wang, H., Dew, P. W., and Webb, J. A. "Implementation of apply on a transputer array," *Concurrency: Practice and Experience*, 3(1):43–54, February 1991.

[Weston:91a] Weston, J. S., Clint, M., and Bleakney, C. W. "The parallel computation of eigenvalues and eigenvectors of large hermitian matrices using the AMT DAP 510," *Concurrency: Practice and Experience*, 3(3):179–185, 1991.

[Wheat:90a] Wheat, M. "A parallel sorting algorithm for tightly coupled multiprocessors," *Concurrency: Practice and Experience*, 2(1):27–32, March 1990.

[Wheat:91a] Wheat, M. "Sorting with near linear speedup on tightly coupled multiprocessors," *Concurrency: Practice and Experience*, 3(1):1–13, February 1991.

[Wieland:89a] Wieland, F., Hawley, L., Feinberg, A., DiLoreto, M., Blume, L., Ruffles, J., Reiher, P., Beckman, B., Hontalas, P., Bellenot, S., and Jefferson, D. "The performance of a distributed combat simulation with the time warp operating system," *Concurrency: Practice and Experience*, 1(1):35–50, 1989. Caltech Report C3P-798.

[Williams:89b] Williams, R. D. "Supersonic flow in parallel with an unstructured mesh," *Concurrency: Practice and Experience*, 1(1):51–62, 1989. (See manual for this in code in C^3P-861 (1990)). Caltech Report C3P-636b.

[Williams:92a] Williams, R. D. "Voxel data bases: A paradigm for parallelism with spatial structure," *Concurrency: Practice and Experience*, 4(8):619–636, 1992.

[Wilson:93a] Wilson, L. F., Gonzalez, M. J., and Cruess, M. W. "Experiences with SLALOM on the distributed Pleiades/ESP system," *Concurrency: Practice and Experience*, 5(4):329–344, June 1993. Special Issue: High Performance Distributed Computing. Guest Editors: Salim Hariri and Anujan Varma.

[Wolfe:93a] Wolfe, M. "Engineering a data dependence test," *Concurrency: Practice and Experience*, 5(7):603–622, October 1993. Special Issue: Compilers for Parallel Computers. Guest Editors: Ken Kennedy and Hans Zima.

[Wood:91a] Wood, K. R. "Distributing gate-level digital timing simulation over arrays of transputers," *Concurrency: Practice and Experience*, 3(4):367–379, August 1991. Special Issue: Highlights of Transputer Applications. Guest Editor: David Pritchard.

[Worley:92a] Worley, P. H., and Drake, J. B. "Parallelizing the spectral transform method—Part I," *Concurrency: Practice and Experience*, 4(4):269–291, June 1992.

[Yalamanchili:94a] Yalamanchili, S., Te Winkel, L., Perschbacher, D., and Shenoy, B. "Partitioning and mapping in embedded multiprocessor architectures in the presence of constraints," *Concurrency: Practice and Experience*, August 1994. Accepted for Publication.

[Yang:94a] Yang, C.-Q., and Qu, Y. "Fault-tolerance in the execution of remote jobs on idling workstations," *Concurrency: Practice and Experience*, July 1994. Accepted for Publication.

[Zhang:93a] Zhang, X., and Qin, Z. "Monitoring and visualizing multiprocessor interconnection network contention," *Concurrency: Practice and Experience*, 5(8):675–691, December 1993.

[Ziavras:93a] Ziavras, S. G., and Siddiqui, M. A. "Pyramid mappings onto hypercubes for computer vision: Connection Machine comparative study," *Concurrency: Practice and Experience*, 5(6):471–489, September 1993.

[Ziavras:94a] Ziavras, S. G., and Shah, Devenkumar, P. "High performance emulation of hierarchical structures on hypercube supercomputers," *Concurrency: Practice and Experience*, 6(2):85–100, April 1994.

[Zimmermann:91a] Zimmermann, P. "Visual simulation by means of a transputer network for a driving simulator," *Concurrency: Practice and Experience*, 3(4):399–412, August 1991. Special Issue: Highlights of Transputer Applications. Guest Editor: David Pritchard.

[Zomaya:92a] Zomaya, A. Y. "Highly efficient transputer arrays for the computation of robot dynamics," *Concurrency: Practice and Experience*, 4(2):185–205, April 1992.

[Zomaya:92b] Zomaya, A. Y., and Morris, A. S. "Transputer arrays for the on-line computation of robot jacobians," *Concurrency: Practice and Experience*, 4(5):399–412, 1992.