

References

- [1] J.M. Adamo and N. Alhafez. Minimal, adaptive and deadlock-free routing for multiprocessors. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 815–816. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [2] J.M. Adamo, C. Bonello, and L. Trejo. The c_net programming environment: An overview. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 115–120. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [3] J.M. Adamo and L. Trejo. Experimenting upon the cg algorithm within the c_net programming environment. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 841–842. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [4] Selim G. Akl and Ke Qiu. Parallel minimum spanning forest algorithms on the star and pancake interconnection networks. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 565–570. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [5] Patrick R. Amestoy, Michel J. Daydé, Iain S. Duff, and Pierre Morère. Linear algebra calculations on the bbn tc2000. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the*

Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992), volume 634 of *LNCS*, pages 319–330. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.

- [6] Rumen Andonov and Patrice Quinton. Efficient linear systolic array for the knapsack problem. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 247–258. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [7] Nikolay Anisimov, Aleksey Kovalenko, Pavel Postupalski, and Aleksey Simanchuk. A graphical petri net based editor for a visualization of distributed and parallel systems. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 847–848. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [8] F. Arbab, I. Herman, and P. Spilling. Manifold: Concepts and implementation. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 793–794. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [9] Peter Arbenz and Michael Oettli. Block implementations of the symmetric qr and jacobi algorithms. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 827–828. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.

- [10] D.K. Arvind and J. Knight. Detection of concurrency-related errors in joyce. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 127–132. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [11] M. Bahi. Parallel algorithms simulation applied to differential-algebraic systems and electrical networks application. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 797–798. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [12] Ilan Bar-On and Ophir Munk. A new parallel factorization $a = dd^tbc$ for band symmetric positive definite matrices. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 349–354. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [13] Michael Barnett and Christian Lengauer. Unimodularity considered non-essential. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 659–664. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [14] Dominik Barth. An algorithm of broadcasting in the mesh of trees. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages

843–844. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.

- [15] Andreas Bauch, Thomas Kosch, Erik Maehle, and Wolfgang Obelöer. The software-monitor delta-t and its use for performance measurement of some farming variants on the multi-transputer system damp. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 67–78. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [16] Jonathan D. Becher and Kent L. Beck. Profiling on a massively parallel computer. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 97–102. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [17] Thomas Bemmerl and Peter Braun. Visualization of message passing parallel programs. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 79–90. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [18] Anton Beranek. Data race detection based on execution replay for parallel applications. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 109–114. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [19] Rudolf Berrendorf. Memory access in shared virtual memory. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors,

- Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 785–786. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [20] Jean-Yves Berthou and Philippe Klein. Estimating the effective performance of program parallelization on shared memory mimd multiprocessors. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 701–706. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [21] Sandeep N. Bhatt, Fan R.K. Chung, F. Thomson Leighton, and Arnold L. Rosenberg. Tolerating faults in synchronization networks. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 1–12. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [22] Peter L. Bird, Nigel P. Topham, and Sathiamoorthy Manoharan. A comparison of two memory models for high performance computers. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 399–404. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [23] Boyan Bonchev and Miroslav Iliev. A hybrid dataflow architecture with multiple tokens. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*,

pages 737–742. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.

- [24] H. Bourzoufi, G. Goncalves, and B. Toursel. A time-bounded binding access with low task-switching cost in an or-parallel prolog. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 725–730. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [25] James M. Boyle, Maurice Clint, Stephen Fitzpatrick, and Terence J. Harmer. The construction of numerical mathematical software for the amt dap by program transformation. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 761–767. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [26] J.M. Bull and T.L. Freeman. Numerical performance of an asynchronous jacobi iteration. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 361–366. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [27] Pierre Charrier and Jean Roman. Partitioning and mapping for parallel nested dissection on distributed memory architectures. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 295–306. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.

- [28] G. Chen, H.B. Keller, S.H. Lui, and B. Roux. Parallel homotopy algorithm for large sparse generalized eigenvalue problems: Application to hydrodynamic stability analysis. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 331–342. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [29] Jingsen Chen and Christos Levcopoulos. Improved parallel sorting of presorted sequences. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 539–544. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [30] D. Crookes, A.P. McHale, and N. Beney. A dap-based implementation of a portable parallel image processing machine. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 803–804. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [31] Alak K. Datta and Ranjan K. Sen. An efficient parallel algorithm for maximal matching. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 813–814. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [32] Pierre David. Semantic analysis for parallelizing c. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France,*

- September 1992*), volume 634 of *LNCS*, pages 647–652. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [33] V. David, Ch. Fraboul, J.Y. Rousselot, and P. Siron. Partitioning and mapping communication graphs on a modular reconfigurable parallel architecture. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 43–48. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [34] V. Demian and J.-C. Mignot. Implementation of the self-organizing feature map on parallel computers. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 775–776. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [35] F. Desprez and B. Tourancheau. A theoretical study of reconfigurability for numerical algorithms on a reconfigurable network. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 817–818. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [36] Thibault Duboux, Afonso Ferreira, and Michel Gastaldo. Mimd dictionary machines: From theory to practice. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 545–550. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.

- [37] Jean Duprat and Mario Fiallos Aguilar. On the simulation of pipelining of fully digit on-line floating-point adder networks on massively parallel computers. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 707–712. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [38] M.C. Eglin-Leclerc, J. Julliard, and G.R. Perrin. How to compile systems of recurrence equations into networks of communicating processes. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 795–796. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [39] Hugo Embrechts and Dirk Roose. Parallel algorithms for the distance transformation. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 571–582. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [40] Hassane Essafi, Marc Pic, and Didier Juvin. κ -project / first step: To improve data manipulations and representations on parallel computers. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 503–508. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [41] Bernd Freisleben and Thilo Kielmann. Automatic parallelization of divide-and-conquer algorithms. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Process-*

- ing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 849–850. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [42] Annick Fron. Multiprocessor simulation using object-oriented programming. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 819–820. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [43] Joaquim Gabarró. The design of a parallel algorithm to solve the word problem for free partially commutative groups. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 805–806. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [44] Dennis Gannon, Jenq Kuen Lee, and Srinivas Narayana. On using object oriented parallel programming to build distributed algebraic abstractions. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 769–774. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [45] Franco Gasperoni and Uwe Schwiegelshohn. Scheduling loops on parallel processors: A simple algorithm with close to optimum performance. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 625–636. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.

- [46] Marc Gengler and Giovanni Coray. A parallel best-first b&b with synchronization phases. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 515–526. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [47] Apostolos Gerasoulis and Tao Yang. Static scheduling of parallel programs for message passing architectures. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 601–612. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [48] R. Govindarajan and S.S. Nemawarkar. A large context multithreaded architecture. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 423–428. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [49] Miltos D. Grammatikakis and Jung-Sing Jwo. Greedy permutation routing on cayley graphs. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 839–840. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [50] M. Griebel, W. Huber, U. Rüde, and T. Störckuhl. The combination technique for parallel sparse-grid-preconditioning or -solution of pdes on workstation networks. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume

634 of *LNCS*, pages 217–228. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.

- [51] Michael M. Gutzmann and Klaus Steffan. Pepsim-st: A simulator tool for benchmarking. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 665–676. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [52] Naoki Hamanaka, Junji Nakagoshi, and Teruo Tanaka. Reducing network hardware quantity by employing multi-processor cluster structure in distributed memory parallel processors. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 25–30. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [53] Volker Hatz. Interconnection networks based on block designs. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 37–42. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [54] Hermann Hellwagner. On the practical efficiency of randomized shared memory. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 429–440. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [55] R.D. Hersch, B. Tonelli, and B. Krummenacher. A multiprocessor multiwindow visualization subsystem. In L. Bougé, M. Cosnard, Y. Robert,

- and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 103–108. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [56] Graham Horton, Ralf Knirsch, and Hermann Vollath. The time-parallel solution of parabolic partial differential equations using the frequency-filtering method. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 205–216. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [57] Christo A. Kabakchiev and Vera P. Behar. Parallel detection algorithm of radar signals. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 241–246. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [58] J.A. Keane and K.R. Mayes. Resource management on a packet-based parallel graph reduction machine. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 417–422. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [59] Frank Klingspor, Dietmar Luhofer, and Thomas Rottke. Parallel searching for 3d-objects. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 551–556. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.

- [60] Ralf Knirsch and Klaus Hofmann. An improved parallel algorithm for the solution of molecular dynamics problems on mimd multiprocessors. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 829–830. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [61] Herbert Kuchen, Holger Stoltze, and Friedrich Lücking. Candela — a topology description language. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 777–778. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [62] P.J. Kulkarni, N.R. Phadnis, and Vishwas Udpikar. Monochrome image coding using hierarchical closed loop vector quantizer on a multiprocessing system. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 809–810. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [63] Shigeru Kusakabe, Takahide Hoshide, Rin-ichiro Taniguchi, and Makoto Amamiya. Parallelism control scheme in a dataflow architecture. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 743–748. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [64] Edward J. Kushner. Automatic parallelization for grid-based applications for the ipsc/860. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing:*

- VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 637–645. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [65] Zakaria Lahjomri and Thierry Priol. Koan: A shared virtual memory for the ipsc/2 hypercube. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 441–452. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [66] Stephen P.S. Lam. A novel sorting array processor. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 193–204. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [67] Bruno Lang. Reducing symmetric banded matrices to tridiagonal form — a comparison of a new parallel algorithm with two serial algorithms on the ipsc/860. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 271–282. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [68] Christian Lavault. Analysis of an efficient distributed algorithm for mutual exclusion (average-case analysis of path reversal). In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 133–144. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [69] Neucimar J. Leite and Gilles Bertrand. Computational models for image processing: Towards a concise parallel language. In L. Bougé,

- M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 831–832. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [70] Max Lemke and Daniel Quinlan. P++, a c++ virtual shared grids based programming environment for architecture-independent development of structured grid applications. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 121–126. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [71] Eric Leu and André Schiper. Execution replay: Mechanism for integrating a visualization tool with a symbolic debugger. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 55–66. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [72] Jean-Luc Levaire. Semantics and compilation of the data-parallel switch statement. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 491–502. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [73] Jean-Luc Levaire and Stephane Ubeda. A multiscale parallel thinning algorithm. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages

595–600. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.

- [74] R. Lin and S. Olariu. Computing the inner product on reconfigurable buses with shift switching. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 181–192. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [75] Geraldo Lino de Campos. Asynchronous polycyclic architecture. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 387–398. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [76] L.M. Mackenzie, M. Ould-Khaoua, R.J. Sutherland, and T. Kelly. A hypergraph-based interconnection network for large multicomputers. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 837–838. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [77] Z. Mahjoub and F. Karoui-Sahtout. Optimal performances and scheduling for parallel algorithms with equal cost tasks. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 799–800. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [78] Mikhail Makhaniok and Reinhard Männer. Synchronization of parallel processes in distributed systems. In L. Bougé, M. Cosnard, Y. Robert,

- and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 157–162. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [79] Nashat Mansour and Geoffrey C. Fox. Parallel physical optimization algorithms for data mapping. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 91–96. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [80] Jürgen W. Meyer. Automatic mapping of parallel programs onto processor networks. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 823–824. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [81] E.I. Milovanović, I.Ž. Milovanović, and M.K. Stojčev. Matrix inversion algorithm for linear array processor. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 367–372. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [82] Pierre Moukeli. Statistical probabilistic clock synchronization algorithm. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 163–168. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.

- [83] V.B. Muchnick and A.V. Shafarenko. F-code: A portable software platform for data-parallel languages. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 509–514. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [84] Hans Munthe-Kaas. Generalized shuffle-exchange networks. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 49–54. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [85] Stephan Murer and Philipp Färber. A scalable distributed shared memory. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 453–466. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [86] Jean-Frédéric Myoupo and Anne-Cécile Fabret. Designing modular linear systolic arrays using dependence graph regular partitions. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 265–270. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [87] A. Mzoughi, M. Lalam, and D. Litaize. Very high speed vectorial processors using serial multiport memory as data memory. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France,*

- September 1992*), volume 634 of *LNCS*, pages 411–416. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [88] Wieslaw L. Nowinski. A simd architecture for medical imaging. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 169–180. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [89] Sabine öhring. Dynamic tree embeddings into de bruijn graphs. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 783–784. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [90] Stephan Olariu, James L. Schwing, and Jingyuan Zhang. Efficient image computations on reconfigurable meshes (preliminary version). In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 589–594. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [91] Hélène Paugam-Moisy. Optimal speedup conditions for a parallel back-propagation algorithm. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 719–724. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [92] Serge Petiton and Christine Weill-Duflos. Massively parallel preconditioners for the sparse conjugate gradient method. In L. Bougé,

- M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 373–378. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [93] Chen Pin and E.V. Krishnamurthy. Data parallel evaluation-interpolation algorithm for solving functional matrix equations. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 781–782. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [94] Roldan Pozo. Performance modeling of sparse matrix methods for distributed memory architectures. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 677–688. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [95] Fethi A. Rabhi. A parallel structure for static iterative transformation algorithms. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 755–760. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [96] J.L. Roch, A. Vermeerbergen, and G. Villard. Cost prediction for load-balancing: Application to algebraic computations. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 467–478. Springer-

Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.

- [97] J.L. Roch and G. Villard. Parallel gcd and lattice basis reduction. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 557–564. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [98] A.B. Ruighaver. A decoupled multicomputer architecture with optical full interconnection. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 405–410. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [99] Michael Schäfer, Michael M. Gutzmann, and Markus Schwehm. Comparing the dap, meiko and suprenum with a fluid dynamic benchmark. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 229–240. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [100] Jörg Schepers. Invariance properties in distributed systems. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 145–156. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [101] Thomas Schnekenburger, Michael Friedrich, Andreas Weininger, and Thomas Schoen. Parsim: A tool for the analysis of parallel and distributed programs. In L. Bougé, M. Cosnard, Y. Robert, and D. Trys-

- tram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 689–700. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [102] Bernd Schütz and Reinhard Rauscher. A parallel architecture for a vlsi-hardware-realization of a numerical stable variant of the simplex-method. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 789–790. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [103] Konstantin Shteiman, Dror Feitelson, Larry Rudolph, and Iaakov Exman. Envelopes in adaptive local queues for mimd load balancing. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 479–484. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [104] Boris Shukhman. Parallelism in generation of sequences for monte carlo simulation. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 779–780. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [105] Suresh Srinivas and Kent Dybvig. Superscalar floating-point vector computation in scheme. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 811–812. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.

- [106] M.K. Stojčev, I.Ž. Milovanović, E.I. Milovanović, and G.S. Jovanović. Real-number codes for fault-tolerant matrix inversion on processor arrays. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 821–822. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [107] Przemysław Stpiczyński. Parallel algorithms for solving linear recurrence systems. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 343–348. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [108] E.-G. Talbi, P. Bessière, J.M. Ahuactzin, and E. Mazer. Parallel robot motion planning in a dynamic environment. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 835–836. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [109] Gary Tan and Wei-Ngan Chin. Load balancing in a neighbourhood-based multiprocessor. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 801–802. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [110] Erik Tärnvik. Dynamo — a portable tool for dynamic load balancing on distributed memory multicomputers. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France,*

- September 1992*), volume 634 of *LNCS*, pages 485–490. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [111] S.J. Thomas. A block algorithm for orthogonalization in elliptic norms. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 379–385. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [112] K.R. Tout and D.J. Evans. A parallel expert system using a backward chaining strategy. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 713–718. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [113] Nai-kuan Tsao. On the accuracy of solving triangular systems in parallel-iii. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 307–318. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [114] Pavel Tvrdík. On incomplete hypercubes. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 13–24. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [115] Herwig Unger and Khaled Ben Achour. A petri-net-based method to the design of parallel programs for a multiprocessor system. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors,

- Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 749–754. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [116] Theo Ungerer and Eberhard Zehendner. Threads and subinstruction level parallelism in a data flow architecture. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 731–736. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [117] Marián Vajteršic. A vlsi multigrid poisson solver amenable to biharmonic equation. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 807–808. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [118] Vincent H. van Dongen, Guang R. Gao, and Qi Ning. A polynomial time method for optimal software pipelining. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 613–624. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [119] Reinier van Kleij and Frido Kuijper. A multiprocessor system for displaying quadric csg models. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 583–588. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.

- [120] L.C. Waring and M. Clint. Computation of the eigenvalues of real symmetric matrices using a processor farm. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 355–360. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [121] J.S. Weston, M. Clint, and C.W. Bleakney. Parallel implementations of jacobi's algorithm for the eigensolution of large matrices using array processors. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 787–788. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [122] Bob Wilkinson and Lawrence S. Mulholland. An implementation of the blas on the i860: A risc approach to software for risc devices. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 283–294. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [123] Hongzhong Wu. On tests of uniform tree circuits. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 527–538. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [124] Jie Wu and Eduardo B. Fernandez. Broadcasting in faulty cube-connected-cycles with minimum recovery time. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Process-*

- ing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 833–834. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [125] Jingling Xue. On the loading, recovery and access of stationary data in systolic arrays. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 259–264. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [126] Hong-Jin Yeh. A task scheduling algorithm for the parallel expression evaluation in a reconfigurable fully digit on-line network. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 653–658. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [127] Peter Zaveršek and Peter Kolbezen. Dynamic allocation on the transputer network. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 825–826. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [128] Lichen Zhang, Michel Galindo, Daniel Marquie, and Yves Raynaud. Generating physical channel access protocol data unit of ccstds recommendation by use of the transputers and occam. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 791–792. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.

- [129] Lei Zhou. Complexity estimation in the pips parallel programming environment. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 845–846. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.
- [130] Sotirios G. Ziavras. Connection machine results for pyramid embedding algorithms. In L. Bougé, M. Cosnard, Y. Robert, and D. Trystram, editors, *Proceedings of the Second Joint International Conference on Vector and Parallel Processing. Parallel Processing: VAPP V, CONPAR'92 (Lyon, France, September 1992)*, volume 634 of *LNCS*, pages 31–36. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1992.