

References

- [1] Ali E. Abdallah. A graphical tool for the visualization and animation of communicating sequential processes. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 165–172. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [2] Nael B. Abu-Ghazaleh and Philip A. Wilsey. Shared control — supporting control parallelism using a simd-like architecture. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 1089–1099. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [3] Nidhi Agrawal and C.P. Ravikumar. Adaptive routing based on deadlock recovery. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 981–988. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [4] Panayiotis Alefragis, Christos Goumopoulos, Efthymios Housos, Peter Sanders, Tuomo Takkula, and Dag Wedelin. Parallel crew scheduling in paros. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 1104–1113. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [5] Rumen Andonov, Sanjay Rajopadhye, and Nicola Yanev. Optimal orthogonal tiling. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume

1470 of *LNCS*, pages 480–490. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

- [6] Konstantinos Antonis, John Garofalakis, and Paul Spirakis. A competitive symmetrical transfer policy for load sharing. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 352–355. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [7] Gheorghe Antoniou and Pradip K. Srimani. Mutual exclusion between neighboring nodes in a tree that stabilizes using read/write atomicity. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 545–553. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [8] Peter Arbenz and Roman Geus. Parallel solvers for large eigenvalue problems originating from maxwell’s equations. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 771–779. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [9] Fabricio Alves Barbosa da Silva, Luis Miguel Campos, and Isaac D. Scherson. A lower bound for dynamic scheduling of data parallel programs. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 367–372. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [10] Michel Barreteau, François Bodin, Peter Brinkhaus, Zbigniew Chamski, Henri-Pierre Charles, Christine Eisenbeis, John Gurd, Jan Hoogerheide, and Michael M. Hoss. A parallel algorithm for the solution of the linear complementarity problem. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 470–479. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

brugge, Ping Hu, William Jalby, Peter M.W. Knijnenburg, Michael O’Boyle, Erven Rohou, Rizos Sakellariou, André Seznec, Elena A. Stöhr, Menno Treffers, and Harry A.G. Wijshoff. Oceans: Optimising compilers for embedded applications. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par’98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 1123–1130. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

- [11] Jordi Bataller and José M. Bernabéu-Aubán. Adaptable distributed shared memory: A formal definition. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par’98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 887–891. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [12] Olav Beckmann and Paul H.J. Kelly. Data distribution at run-time: Re-using execution plans. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par’98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 413–421. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [13] Yosi Ben-Asher and Gady Haber. Parallel solutions of simple indexed recurrence equations. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par’98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 933–939. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [14] Rudolf Berrendorf. Optimizing load balance and communication on parallel computers with distributed shared memory. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par’98 (Southampton, UK,*

September 1-4, 1998), volume 1470 of *LNCS*, pages 299–306. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

- [15] Stefan Bischof, Ralf Ebner, and Thomas Erlebach. Load balancing for problems with good bisectors, and applications in finite element simulations. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 383–389. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [16] Cristina Boeres, Vinod E.F. Rebello, and David B. Skillicorn. Static scheduling using task replication for logp and bsp models. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 337–346. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [17] Leonardo Borges and Suely Oliveira. A parallel solver for extreme eigenpairs. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 763–770. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [18] Azzedine Boukerche and Sajal K. Das. Experimental studies in load balancing. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 318–321. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [19] Azzedine Boukerche, Timothy E. LeMaster, Sajal K. Das, and Ajoy Datta. Virtual time synchronization in distributed database systems

using a cluster of workstations. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 534–538. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

- [20] Pierre Boulet and Xavier Redon. Communication pre-evaluation in hpf. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 263–272. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [21] Thomas Brandes, Frédéric Brégier, Marie Christine Counilh, and Jean Roman. Contribution to better handling of irregular problems in hpf2. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 639–649. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [22] Thomas Brandes and Cécile Germain. A tracing protocol for optimizing data parallel irregular computations. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 629–638. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [23] Richard P. Brent. Random number generation and simulation on vector and parallel computers. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 1–20. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

- [24] Lionel Brunie and Ernst Mayr. Workshop 05+15 — distributed systems and databases. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 503–504. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [25] J. Mark Bull. Feedback guided dynamic loop scheduling: Algorithms and experiments. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 377–382. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [26] Tiziana Calamoneri and Miriam di Ianni. Interval routing & layered cross product: Compact routing schemes for butterflies, mesh of trees and fat trees. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 1029–1039. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [27] Bryan Carpenter, Guansong Zhang, Geoffrey Fox, Xiaoming Li, Xinying Li, and Yuhong Wen. Towards a java environment for spmd programming. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 659–668. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [28] Gerson G.H. Cavalheiro, Yves Denneulin, and Jean-Louis Roch. A general modular specification for distributed schedulers. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470

- of *LNCS*, pages 373–376. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [29] Marco Cesati and Miriam di Ianni. Parameterized parallel complexity. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 892–896. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
 - [30] Barbara Chapman and Piyush Mehrotra. Openmp and hpf: Integrating two paradigms. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 650–658. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
 - [31] G. Chiola and G. Ciaccio. Active ports: A performance-oriented operating system support to fast lan communications. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 620–624. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
 - [32] Maurice Clint and Wolfgang Küchlin. Workshop 7+20 — numerical and symbolic algorithms. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 747–750. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
 - [33] Jean-François Collard. Workshop 04 — automatic parallelisation and high-performance compilers. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on*

Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998), volume 1470 of *LNCS*, pages 411–412. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

- [34] D. Crookes, P.J. Morrow, T.J. Brown, G. McAleese, D. Roantree, and I.T.A. Spence. Achieving portability and efficiency through automatic optimisation: An investigation in parallel image processing. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 102–112. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [35] M.A.R. Dantas. Evaluation of process migration for parallel heterogeneous workstation clusters. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 397–400. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [36] Dibyendu Das. Using alternative schedules for fault tolerance in parallel programs on a network of workstations. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 401–404. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [37] Glorianna Davenport. Very distributed media stories: Presence, time, imagination. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 47–54. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

- [38] John Davy and Wissal Essah. Generating parallel applications of spatial interaction models. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 136–145. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [39] Ida de Bono, Daniela di Serafino, and Eric Ducloux. Using a general-purpose numerical library to parallelize an industrial application: Design of high-performance lasers. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 812–820. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [40] T. Delaitre, M.J. Zemerly, P. Vekariya, G.R. Justo, J. Bourgeois, F. Schinkmann, F. Spies, S. Randoux, and S.C. Winter. Edpepps: A toolset for the design and performance evaluation of parallel applications. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 113–125. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [41] E.W. Dempster, N.T. Tomov, J. Lü, C.S. Pua, M.H. Williams, A. Burger, H. Taylor, and P. Broughton. Verifying a performance estimator for parallel dbmss. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 126–135. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [42] Phillip M. Dickens and Rajeev Thakur. A performance study of two-phase i/o. In David Pritchard and Jeff Reeve, editors, *Proceedings*

of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998), volume 1470 of *LNCS*, pages 959–965. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

- [43] Ralf Diekmann, Robert Preis, Frank Schlimbach, and Chris Walshaw. Aspect ratio for mesh partitioning. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 347–351. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [44] Stephen R. Donaldson, Jonathan M.D. Hill, and David B. Skillicorn. Predictable communication on unpredictable networks: Implementing bsp over tcp/ip. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 970–980. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [45] Rafael R. dos Santos and Philippe O.A. Navaux. Analysing a multistreamed superscalar speculative instruction fetch mechanism. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 1010–1017. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [46] Jörn Eisenbiegler. Optimization of simd programs with redundant computations. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 456–462. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

- [47] Jörn Eisenbiegler, Welf Löwe, and Wolf Zimmermann. Bsp, logp, and oblivious programs. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 865–874. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [48] Paul Feautrier. A parallelization framework for recursive tree programs. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 470–479. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [49] A. Ferreira, I. Guérin Lassous, K. Marcus, and A. Rau-Chaplin. Parallel computation on interval graphs using pc clusters: Algorithms and experiments. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 875–886. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [50] Dirk Fimmel and Renate Merker. Design of processor arrays for real-time applications. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 1018–1028. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [51] M. Fleury, N. Sarvan, A.C. Downton, and A.F. Clark. A parallel-system design toolset for vision and image processing. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 92–101. Springer-

Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

- [52] P. Flocchini, E. Lodi, F. Luccio, L. Pagli, and N. Santoro. Irreversible dynamos in tori. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 554–562. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [53] Susan Flynn Hummel, Graham Riley, and Rizos Sakellariou. Workshop 03 — scheduling and load balancing. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 297–298. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [54] G.C. Fox, W. Furmanski, T. Haupt, E. Akarsu, and H. Ozdemir. Hpcc as high performance commodity computing on top of integrated java, corba, com and web standards. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 55–74. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [55] Basilio B. Fraguera, Ramón Doallo, and Emilio L. Zapata. Cache misses prediction for high performance sparse algorithms. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 224–233. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [56] Valérie Frayssé, Luc Giraud, and Hatim Kharraz-Aroussi. On the influence of the orthogonalization scheme on the parallel performance of gmres. In David Pritchard and Jeff Reeve, editors, *Proceedings*

of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998), volume 1470 of *LNCS*, pages 751–762. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

- [57] J. Gaber and B. Tournel. Dynamic and randomized load distribution in arbitrary networks. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 405–409. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [58] Thomas Gehrke. An algebraic semantics for an abstract language with intra-object-concurrency. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 733–737. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [59] Jean-Louis Giavitto, Dominique de Vito, and Jean-Paul Sansonet. A data parallel java client-server architecture for data field computations over z^n . In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, EURO-PAR'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 742–745. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [60] Thomas Grün and Mark A. Hillebrand. Nas integer sort on multi-threaded shared memory machines. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 999–1009. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

- [61] L. Heinrich-Litan, U. Fissgus, St. Sutter, P. Molitor, and Th. Rauber. Modeling the communication behavior of distributed memory machines by genetic programming. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 273–278. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [62] Kieran Herley and David Snelling. Workshop 13+14 — architectures and networks. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 967–969. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [63] Emilio Hernández and Tony Hey. White-box benchmarking. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 220–223. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [64] Jonathan M.D. Hill, Stephen R. Donaldson, and Tim Lanfear. Process migration and fault tolerance of bsplib programs running on networks of workstations. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 80–91. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [65] Jonathan M.D. Hill, Stephen A. Jarvis, Constantinos Siniolakis, and Vasil P. Vasilev. Analysing an sql application with a bsplib call-graph profiling tool. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume

- 1470 of *LNCS*, pages 157–164. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [66] Robert Hockauf, Wolfgang Karl, Markus Leberecht, Michael Oberhuber, and Michael Wagner. Exploiting spatial and temporal locality of accesses: A new hardware-based monitoring approach for dsm systems. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 206–215. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
 - [67] Petra Hofstede. Task parallel skeletons for irregularly structured problems. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 676–681. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
 - [68] Jörg Jensch, Reinhard Lüling, and Norbert Sensen. A data layout strategy for parallel web servers. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 944–952. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
 - [69] M. Kandemir, A. Choudhary, J. Ramanujam, N. Shenoy, and P. Banerjee. Enhancing spatial locality via data layout optimizations. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 422–434. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

- [70] Anssi Kautonen, Ville Leppänen, and Martti Penttonen. Constant thinning protocol for routing h -relations in complete networks. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 993–998. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [71] Gabriele Keller and Manuel M.T. Chakravarty. Flattening trees. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 709–719. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [72] Ayşe Kiper. An efficient parallel triangular inversion by gauss elimination with sweeping. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 793–797. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [73] Jens Knoop. Parallel constant propagation. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 445–455. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [74] Povl T. Koch and Xavier Rousset de Pina. Scios: Flexible operating system support for sci clusters. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 601–609. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

- [75] Rainer Koppler. Parallelization of unstructured mesh computations using data structure formalization. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 435–444. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [76] Iskander Kort and Denis Trystram. Assessing logp model parameters for the ibm-sp. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 255–262. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [77] Iskander Kort and Denis Trystram. Scheduling fork graphs under logp with an unbounded number of processors. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 940–943. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [78] Arnold R. Krommer. Parallel sparse matrix computations using the pineapl library: A performance study. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 804–811. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [79] Ajay D. Kshemkalyani. Significance and uses of fine-grained synchronization relations. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 578–590. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

- [80] Kazuto Kubota, Ken’ichi Itakura, Mitsuhsisa Sato, and Taisuke Boku. Practical simulation of large-scale parallel programs and its performance analysis of the nas parallel benchmarks. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par’98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 244–254. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [81] C. Kulkarni, F. Catthoor, and H. de Man. Hardware cache optimization for parallel multimedia applications. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par’98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 923–932. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [82] Adrianos Lachanas and Paraskevas Evripidou. Exploiting coarse grain parallelism from fortran by mapping it to ifl. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par’98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 463–469. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [83] Pascale Launay and Jean-Louis Pazat. Generation of distributed parallel java programs. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par’98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 729–732. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [84] Dingchao Li, Yuji Iwahori, Tatsuya Hayashi, and Naohiro Ishii. An efficient strategy for task duplication in multiport message-passing systems. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par’98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 390–396. Springer-Verlag, Berlin-Heidelberg-New

York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

- [85] Stéphane Lorcy and Noël Plouzeau. An object-oriented framework for managing the quality of service of distributed applications. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 738–741. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [86] Zhihong Lu, Kathryn S. McKinley, and Brendon Cahoon. The hardware/software balancing act for information retrieval on symmetric multiprocessors. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 521–527. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [87] Reinhard Lüling and Olaf Schmidt. Hipec: High performance computing visualization system supporting networked electronic commerce applications. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 1149–1152. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [88] Lars Lundberg. Fixed priority scheduling of age constraint processes. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 288–296. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [89] Henri Luzet and L.M. Delves. Porting the semc3d electromagnetics code to hpfc. In David Pritchard and Jeff Reeve, editors, *Proceedings*

of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998), volume 1470 of *LNCS*, pages 1140–1148. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

- [90] Julien Mallet. Symbolic cost analysis and automatic data distribution for a skeleton-based language. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 688–697. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [91] Allen D. Malony and Rajeev Alur. Workshop 2+8 — performance evaluation and prediction. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 191–192. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [92] Mauricio Marín. Asynchronous (time-warp) versus synchronous (event-horizon) simulation time advance in bsp. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 897–905. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [93] Oleg Maslennikow, Juri Kaniewski, and Roman Wyrzykowski. Fault tolerant qr -decomposition algorithm and its parallel implementation. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 798–803. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

- [94] Bill McColl and David Walker. Workshop 10+17+21+22 — theory and algorithms for parallel computation. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 863–864. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [95] Ken Meacham, Nick Floros, and Mike Surridge. Industrial stochastic simulations on a european meta-computer. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 1131–1139. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [96] P. Melas and E.J. Zaluska. High performance protocols for clusters of commodity workstations. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 570–577. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [97] Ulrich Meyer and Jop F. Sibeyn. Gossiping large packets on full-port tori. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 1040–1046. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [98] Henk L. Muller and David May. A simple protocol to communicate channels over channels. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 591–600. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

- [99] Faza Najjar and Yahya Slimani. The enhancement of semijoin strategies in distributed query optimization. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 528–533. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [100] Jonathan Nash. Scalable sharing methods can support a simple performance model. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 906–915. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [101] Zsolt Németh and Péter Kacsuk. Experiments with binding schemes in logflow. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 842–845. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [102] Neophytos Neophytou and Paraskevas Evripidou. Net-dbx: A java powered tool for interactive debugging of mpi programs across the internet. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 181–189. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [103] Tia Newhall and Barton P. Miller. Performance measurement of interpreted programs. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 146–156. Springer-Verlag, Berlin-Heidelberg-New

York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

- [104] Dimitrios S. Nikolopoulos, Eleftherios D. Polychronopoulos, and Theodore S. Papatheodorou. Enhancing the performance of autoscheduling in distributed shared memory multiprocessors. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 491–501. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [105] Takashi Nodera and Naoto Tsuno. The parallelization of the incomplete *lu* factorization on ap1000. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 788–792. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [106] Kazuhiro Ogata, Hiromichi Hirata, Shigenori Ioroi, and Kokichi Futtatsugi. Experimental implementation of parallel tram on massively parallel computer. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 846–851. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [107] Leonid Oliker, Rupak Biswas, and Harold N. Gabow. Performance analysis and portability of the plum load balancing system. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 307–317. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

- [108] Salvatore Orlando and Raffaele Perego. Scheduling data-parallel computations on heterogeneous and time-shared environments. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 356–366. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [109] Femi O. Osoba and Fethi A. Rabhi. A parallel multigrid skeleton using bsp. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 704–708. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [110] Mohamed Ould-Khaoua. On the optimal network for multicomputers: Torus or hypercube? In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 989–992. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [111] Kazufumi Ozawa and Susumu Yamada. Waveform relaxation for second order differential equation $y'' = f(x, y)$. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 780–787. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [112] Fernando Pedone, Rachid Guerraoui, and André Schiper. Exploiting atomic broadcast in replicated databases. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 513–520. Springer-Verlag,

Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

- [113] Ron Perrott and Colin Upstill. Workshop 23 — esprit projects. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 1101–1103. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [114] José M. Piquer and Ivana Visconti. Indirect reference listing: A robust distributed gc. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 610–619. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [115] Thierry Priol and Christophe René. Cobra: A corba-compliant programming environment for high-performance computing. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 1114–1122. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [116] Franz Puntigam. Dynamic type information in process types. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 720–728. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [117] Rolf Rabenseifner. Mpi-glue: Interoperable high-performance mpi combining different vendor's mpi worlds. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4,*

1998), volume 1470 of *LNCS*, pages 563–569. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

- [118] Rafael Ramirez. Representing and executing real-time systems. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 279–287. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [119] Christoph Rapine, Isaac D. Scherson, and Denis Trystram. On-line scheduling of parallelizable jobs. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 322–327. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [120] Olivier Richard and Franck Cappello. On the self-similar nature of workstations and www servers workload. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 216–219. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [121] Christian Röder, Thomas Ludwig, and Arndt Bode. Configurable load measurement in heterogeneous workstation clusters. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 193–205. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [122] C. Rodríguez, J.L. Roda, D.G. Morales, and F. Almeida. h -relation models for current standard parallel platforms. In David Pritchard

- and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 234–243. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [123] C. Rodríguez, F. Sande, C. León, I. Coloma, and A. Delgado. Load balancing and processor assignment statements. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 539–544. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
 - [124] Petr Salinger and Pavel Tvrďík. All-to-all scatter in kautz networks. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 1057–1061. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
 - [125] Vítor Santos Costa and Ricardo Bianchini. Optimising parallel logic programming systems for scalable machines. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 831–841. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
 - [126] Erich Schikuta, Thomas Fuerle, and Helmut Wanek. Vipios: The vienna parallel input/output system. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 953–958. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
 - [127] Bertil Schmidt, Manfred Schimmler, and Heiko Schröder. Long operand arithmetic on instruction systolic computer architectures and its application in rsa cryptography. In David Pritchard and Jeff Reeve,

- editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 916–922. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [128] R.I. Scott, M.D. Fisher, and J.A. Keane. Parallel temporal tableaux. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 852–861. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
 - [129] Henk Sips, Antonio Corradi, and Murray Cole. Workshop 6+16+18 — languages. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 625–628. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
 - [130] Tor Skeie. Handling multiple faults in wormhole mesh networks. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 1076–1088. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
 - [131] D.B. Skillicorn, M. Danelutto, S. Pelagatti, and A. Zavanella. Optimising data-parallel programs using the bsp cost model. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 698–703. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
 - [132] Michal Šoch and Pavel Tvrdík. Time-optimal gossip in noncombining 2-d tori with constant buffers. In David Pritchard and Jeff Reeve,

- editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 1047–1050. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [133] Giandomenico Spezzano and Domenico Talia. Language constructs and run-time systems for parallel cellular programming. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 669–675. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
 - [134] Sarah A.M. Talbot and Paul H.J. Kelly. Reactive proxies: A flexible protocol extension to reduce ccnuma node controller contention. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 1062–1075. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
 - [135] David Taniar and J. Wenny Rahayu. Collection-intersect join algorithms for parallel object-oriented database systems. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 505–512. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
 - [136] Paul D. Townsend. Quantum cryptography on optical fiber networks. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 35–46. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
 - [137] Miguel Valero-García, Antonio González, Luis Díaz de Cerio, and Dolors Royo. Divide-and-conquer algorithms on two-dimensional meshes.

- In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 1051–1056. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
- [138] Marco Vanneschi. Heterogeneous hpc environments. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 21–34. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
 - [139] Vladimir Vlassov and Lars-Erik Thorelli. Synchronizing communication primitives for a shared memory programming model. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 682–687. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
 - [140] Chris Wadsworth and Helmar Burkhart. Workshop 1 — support tools and environment. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 75–79. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
 - [141] Clemens Wagner. Fast parallel hermite normal form computation of matrices over $f[x]$. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 821–830. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.
 - [142] Roland Wismüller, Jörg Trinitis, and Thomas Ludwig. A universal infrastructure for the run-time monitoring of parallel and distributed

applications. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 173–180. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.

- [143] Wolf Zimmermann, Martin Middendorf, and Welf Löwe. On optimal k -linear scheduling of tree-like task graphs for logp-machines. In David Pritchard and Jeff Reeve, editors, *Proceedings of the 4th International Euro-Par Conference on Parallel Processing, Euro-Par'98 (Southampton, UK, September 1-4, 1998)*, volume 1470 of *LNCS*, pages 328–336. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1998.