References

[1] Karen Aardal, Robert E. Bixby, Cor A.J. Hurkens, Arjen K. Lenstra, and Job W. Smeltink. Market split and basis reduction: Towards a solution of the cornuéjols-dawande instances. In Gérard Cornuéjols, Rainer E. Burkard, and Gerhard J. Woeginger, editors, *Proceedings of the 7th International Conference on Integer Programming and Combinatorial Optimization, IPCO'99 (Graz, Austria, June 9-11, 1999)*, volume 1610 of *LNCS*, pages 1–16. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[2] Martín Abadi, Cédric Fournet, and Georges Gonthier. A top-down look at a secure message. In C. Pandu, Rangan, V. Raman, and R. Ramanujam, editors, *Proceedings of the 19th Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'99 (Chennai, India, December 13-15, 1999)*, volume 1738 of *LNCS*, pages 122–141. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[3] Anna Accornero, Massimo Ancona, and Sonia Varini. All separating triangles in a plane graph can be optimally "broken" in polynomial time. In Peter Widmayer, Gabriele Neyer, and Stephan Eidenbenz, editors, *Proceedings of the 25th International Workshop on Graph-Theoretic Concepts in Computer Science, WG'99 (Ascona, Switzerland, June 17-19, 1999)*, volume 1665 of *LNCS*, pages 278–290. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[4] Luca Aceto and François Laroussinie. Is your model checker on time? on the complexity of model checking for timed modal logics. In Mirosław Kutyłowski, Leszek Pacholski, and Tomasz Wierzbicki, editors, *Proceedings of the 24th International Symposium on Mathematical Foundations of Computer Science, MFCS'99 (Szklarska Poręba, Poland, September 6-10, 1999)*, volume 1672 of *LNCS*, pages 125–136. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[5] Georg Acher, Wolfgang Karl, and Markus Leberecht. The tum pci/sci adapter. In Hermann Hellwagner and Alexander Reinefeld, editors, *SCI: Scalable Coherent Interface — Architecture and Software for High-Performance Compute Clusters*, volume 1734 of *LNCS*, pages 89–101. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[6] Lada A. Adamic. The small world web. In Serge Abiteboul and Anne-Marie Vercoustre, editors, *Proceedings of the Third European Conf. on Research and Advanced Technology for Digital Libraries, ECDL'99 (Paris, September 22-24, 1999)*, volume 1696 of *LNCS*, pages 443–452. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapur-Tokyo, 1999.

[7] F. Afrati, E. Bampis, C. Kenyon, and I. Milis. Scheduling on a constant number of machines. In Dorit Hochbaum, Klaus Jansen, José D.P. Rolim, and Alistair Sinclair, editors, *Proceedings of the 3rd International Workshop on Randomization and Approximation Techniques in Computer Science and Second International Workshop on Approximation Algorithms for Combinatorial Optimization Problems, RANDOM-APPROX'99, (Berkeley, CA, August 8-11, 1999)*, volume 1671 of *LNCS*, pages 281–287. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[8] Pankaj K. Agarwal, Binay K. Bhattacharya, and Sandeep Sen. Output-sensitive algorithms for uniform partitions of points. In Alok Aggarwal and C. Pandu Rangan, editors, *Proceedings of the 10th International Symposium on Algorithms and Computation, ISAAC'99 (Chennai, India December 16-18, 1999)*, volume 1741 of *LNCS*, pages 403–414. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[9] Alexander A. Ageev. On finding the maximum number of disjoint cuts in seymour graphs. In Jaroslav Nešetřil, editor, *Proceedings of the 7th Annual European Symposium on Algorithms, ESA'99 (Prague, Czech Republic, July 16-18, 1999)*, volume 1643 of *LNCS*, pages 490–497. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[10] Alexander A. Ageev and Maxim I. Sviridenko. Approximation algorithms for maximum coverage and max cut with given sizes of parts. In Gérard Cornuéjols, Rainer E. Burkard, and Gerhard J. Woeginger, editors, *Proceedings of the 7th International Conference on Integer Programming and Combinatorial Optimization, IPCO'99 (Graz, Austria, June 9-11, 1999)*, volume 1610 of *LNCS*, pages 17–30. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[11] Ka-an Agun Agun and Morris Chang. Reusable internal hardware templates. In José et al. Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 13th International Parallel Processing Symposium and 10th Symposium on Parallel and Distributed Processing, IPPS/SPDP'99 (San Juan, Puerto Rico, April 12-16, 1999)*, volume 1586 of *LNCS*, pages 697–699. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[12] Yuval Aharoni, Dan Halperin, Iddo Hanniel, Sariel Har-Peled, and Chaim Linhart. On-line zone construction in arrangements of lines in the plane. In Jeffrey S. Vitter and Christos D. Zaroliagis, editors, *Proceedings of the 3rd International Workshop on Algorithm Engineering, WAE'99 (London, United Kingdom, July 19-21, 1999)*, volume 1668 of *LNCS*, pages 139–153. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[13] Dino Ahr and Andreas Bäcker. Project workspaces for parallel computing — the trapper approach. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 98–107. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[14] Timm Ahrendt. Fast computations of the exponential function. In Christoph Meinel and Sophie Tison, editors, *Proceedings of the 16th Annual Symposium on Theoretical Aspects of Computer Science, STACS'99 (Trier, Germany, March 4-6, 1999)*, volume 1563 of

LNCS, pages 302–312. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[15] Ravindra K. Ahuja, Dorit S. Hochbaum, and James B. Orlin. Solving the convex cost integer dual network flow problem. In Gérard Cornuéjols, Rainer E. Burkard, and Gerhard J. Woeginger, editors, *Proceedings of the 7th International Conference on Integer Programming and Combinatorial Optimization, IPCO'99 (Graz, Austria, June 9-11, 1999)*, volume 1610 of *LNCS*, pages 31–44. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[16] William Aiello, Costas Busch, Maurice Herlihy, Marios Mavronicolas, Nir Shavit, and Dan Touitou. Supporting increment and decrement operations in balancing networks. In Christoph Meinel and Sophie Tison, editors, *Proceedings of the 16th Annual Symposium on Theoretical Aspects of Computer Science, STACS'99 (Trier, Germany, March 4-6, 1999)*, volume 1563 of *LNCS*, pages 393–403. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[17] Miklós Ajtai. Generating hard instances of the short basis problem. In Jiří Wiedermann, Peter van Emde Boas, and Mogens Nielsen, editors, *Proceedings of the 26th International Colloquium on Automata, Languages and Programming, ICALP'99 (Prague, Czech Republic, July 11-15, 1999)*, volume 1644 of *LNCS*, pages 1–9. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[18] Ali Akhavi. Threshold phenomena in random lattices and efficient reduction algorithms. In Jaroslav Nešetřil, editor, *Proceedings of the 7th Annual European Symposium on Algorithms, ESA'99 (Prague, Czech Republic, July 16-18, 1999)*, volume 1643 of *LNCS*, pages 476–489. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[19] Tatsuya Akutsu, Kyotetsu Kanaya, Akira Ohyama, and Asao Fujiyama. Matching of spots in 2d electrophoresis images — point matching under non-uniform distortions. In Maxime Crochemore and Mike

Paterson, editors, *Proceedings of the 10th Annual Symposium on Combinatorial Pattern Matching, CPM'99 (Warwick University, United Kingdom, July 22-24, 1999)*, volume 1645 of *LNCS*, pages 212–222. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[20] S. Mounir Alaoui, O. Frieder, and T. El-Ghazawi. A parallel genetic algorithm for task mapping on parallel machines. In José et al. Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 13th International Parallel Processing Symposium and 10th Symposium on Parallel and Distributed Processing (San Juan, Puerto Rico, April 12-16, 1999)*, volume 1586 of *LNCS*, pages 201–209. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[21] Enrique Alba and José M. Troya. An analysis of synchronous and asynchronous parallel distributed genetic algorithms with structured and panmictic islands. In José et al. Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 13th International Parallel Processing Symposium and 10th Symposium on Parallel and Distributed Processing (San Juan, Puerto Rico, April 12-16, 1999)*, volume 1586 of *LNCS*, pages 248–256. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[22] Susanne Albers. Online algorithms: A study of graph-theoretic concepts. In Peter Widmayer, Gabriele Neyer, and Stephan Eidenbenz, editors, *Proceedings of the 25th International Workshop on Graph-Theoretic Concepts in Computer Science, WG'99 (Ascona, Switzerland, June 17-19, 1999)*, volume 1665 of *LNCS*, pages 10–26. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[23] Susanne Albers and Günter Schmidt. Scheduling with unexpected machine breakdowns. In Dorit Hochbaum, Klaus Jansen, José D.P. Rolim, and Alistair Sinclair, editors, *Proceedings of the 3rd International Workshop on Randomization and Approximation Techniques in*

Computer Science and Second International Workshop on Approximation Algorithms for Combinatorial Optimization Problems, RANDOM-APPROX'99, (Berkeley, CA, August 8-11, 1999), volume 1671 of *LNCS*, pages 269–280. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[24] Eric Allender, Andris Ambainis, David A. Mix Barrington, Samir Datta, and Huong LêThanh. Bounded depth arithmetic circuits: Counting and closure. In Jiří Wiedermann, Peter van Emde Boas, and Mogens Nielsen, editors, *Proceedings of the 26th International Colloquium on Automata, Languages and Programming, ICALP'99 (Prague, Czech Republic, July 11-15, 1999)*, volume 1644 of *LNCS*, pages 149–158. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[25] Susann Allmaier and David Kreische. Parallel approaches to the numerical transient analysis of stochastic reward nets. In Susanna Donatelli and Jetty Kleijn, editors, *Proceedings of the 20th International Conference on Application and Theory of Petri Nets, ICATPN'99 (Williamsburg, Virginia, June 21-25, 1999)*, volume 1639 of *LNCS*, pages 147–167. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[26] Noga Alon, Uri Arad, and Yossi Azar. Independent sets in hypergraphs with applications to routing via fixed paths. In Dorit Hochbaum, Klaus Jansen, José D.P. Rolim, and Alistair Sinclair, editors, *Proceedings of the 3rd International Workshop on Randomization and Approximation Techniques in Computer Science and Second International Workshop on Approximation Algorithms for Combinatorial Optimization Problems, RANDOM-APPROX'99, (Berkeley, CA, August 8-11, 1999)*, volume 1671 of *LNCS*, pages 16–27. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[27] P. Alonso, R. Cortina, and J. Ranilla. Block-striped partitioning and neville elimination. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of

LNCS, pages 1073–1077. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[28] Rajeev Alur, Kousha Etessami, Salvatore La Torre, and Doron Peled. Parametric temporal logic for "model measuring". In Jiří Wiedermann, Peter van Emde Boas, and Mogens Nielsen, editors, *Proceedings of the 26th International Colloquium on Automata, Languages and Programming, ICALP'99 (Prague, Czech Republic, July 11-15, 1999)*, volume 1644 of *LNCS*, pages 159–168. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[29] Rajeev Alur, Sampath Kannan, and Mihalis Yannakakis. Communicating hierarchical state machines. In Jiří Wiedermann, Peter van Emde Boas, and Mogens Nielsen, editors, *Proceedings of the 26th International Colloquium on Automata, Languages and Programming, ICALP'99 (Prague, Czech Republic, July 11-15, 1999)*, volume 1644 of *LNCS*, pages 169–178. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[30] Srinivas Aluru and Fatih E. Sevilgen. Dynamic compressed hyperoctrees with application to the n-body problem. In C. Pandu, Rangan, V. Raman, and R. Ramanujam, editors, *Proceedings of the 19th Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'99 (Chennai, India, December 13-15, 1999)*, volume 1738 of *LNCS*, pages 21–33. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[31] Roberto M. Amadio, Gérard Boudol, and Cédric Lhoussaine. The receptive distributed π-calculus. In C. Pandu, Rangan, V. Raman, and R. Ramanujam, editors, *Proceedings of the 19th Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'99 (Chennai, India, December 13-15, 1999)*, volume 1738 of *LNCS*, pages 304–315. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[32] Edoardo Amaldi, Marc E. Pfetsch, and Jr. Trotter, Leslie E. Some structural and algorithmic properties of the maximum feasible subsystem problem. In Gérard Cornuéjols, Rainer E. Burkard, and Gerhard J.

Woeginger, editors, *Proceedings of the 7th International Conference on Integer Programming and Combinatorial Optimization, IPCO'99 (Graz, Austria, June 9-11, 1999)*, volume 1610 of *LNCS*, pages 45–59. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[33] Kazuyuki Amano, Akira Maruoka, and Jun Tarui. On the negation-limited circuit complexity of merging. In Takao Asano, Hiroshi Imai, D.T. Lee, Shin-ichi Nakano, and Takeshi Tokuyama, editors, *Proceedings of the 5th Annual International Conference on Computing and Combinatorics, COCOON'99 (Tokyo, Japan, July 26-28, 1999)*, volume 1627 of *LNCS*, pages 204–209. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[34] Andris Ambainis, Richard Bonner, Rūsiņš Freivalds, and Arnolds Ķikusts. Probabilities to accept languages by quantum finite automata. In Takao Asano, Hiroshi Imai, D.T. Lee, Shin-ichi Nakano, and Takeshi Tokuyama, editors, *Proceedings of the 5th Annual International Conference on Computing and Combinatorics, COCOON'99 (Tokyo, Japan, July 26-28, 1999)*, volume 1627 of *LNCS*, pages 174–183. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[35] Amihood Amir, Dmitry Keselman, Gad M. Landau, Moshe Lewenstein, Noa Lewenstein, and Michael Rodeh. Indexing and dictionary matching with one error. In Frank Dehne, Arvind Gupta, Jörg-Rüdiger Sack, and Roberto Tamassia, editors, *Proceedings of the 6th International Workshop on Algorithms and Data Structures, WADS'99 (Vancouver, Canada, August 11-14, 1999)*, volume 1663 of *LNCS*, pages 181–192. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[36] Eric J. Anderson, Kris Hildrum, Anna R. Karlin, April Rasala, and Michael Saks. On list update and work function algorithms. In Jaroslav Nešetřil, editor, *Proceedings of the 7th Annual European Symposium on Algorithms, ESA'99 (Prague, Czech Republic, July 16-18, 1999)*, volume 1643 of *LNCS*, pages 289–300. Springer-

Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[37] Gunnar Andersson. An approximation algorithm for max p-section. In Christoph Meinel and Sophie Tison, editors, *Proceedings of the 16th Annual Symposium on Theoretical Aspects of Computer Science, STACS'99 (Trier, Germany, March 4-6, 1999)*, volume 1563 of *LNCS*, pages 237–247. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[38] Magnus Andersson, Anders Orebäck, Matthias Lindström, and Henrik I. Christensen. Isr: An intelligent service robot. In Henrik I. Christensen, Horst Bunke, and Hartmut Noltemeier, editors, *International Workshop on Sensor Based Intelligent Robots (Dagstuhl Castle, Germany, September 28 - October 2, 1998)*, volume 1724 of *LNCS*, pages 287–310. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[39] Alexander E. Andreev, Juri L. Baskakov, Andrea E.F. Clementi, and José D.P. Rolim. Small pseudo-random sets yield hard functions: New tight explicit lower bounds for branching programs. In Jiří Wiedermann, Peter van Emde Boas, and Mogens Nielsen, editors, *Proceedings of the 26th International Colloquium on Automata, Languages and Programming, ICALP'99 (Prague, Czech Republic, July 11-15, 1999)*, volume 1644 of *LNCS*, pages 179–189. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[40] Alexander E. Andreev, Andrea E.F. Clementi, Paolo Penna, and José D.P. Rolim. Memory organization schemes for large shared data: A randomized solution for distributed memory machines. In Christoph Meinel and Sophie Tison, editors, *Proceedings of the 16th Annual Symposium on Theoretical Aspects of Computer Science, STACS'99 (Trier, Germany, March 4-6, 1999)*, volume 1563 of *LNCS*, pages 68–77. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[41] Artur Andrzejak and Komei Fukuda. Optimization over k-set polytopes and efficient k-set enumeration. In Frank Dehne, Arvind Gupta,

Jörg-Rüdiger Sack, and Roberto Tamassia, editors, *Proceedings of the 6th International Workshop on Algorithms and Data Structures, WADS'99 (Vancouver, Canada, August 11-14, 1999)*, volume 1663 of *LNCS*, pages 1–12. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[42] Cosimo Anglano, Attilio Giordana, and Giuseppe Lo Bello. High-performance knowledge extraction from data on pc-based networks of workstations. In José et al. Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 13th International Parallel Processing Symposium and 10th Symposium on Parallel and Distributed Processing (San Juan, Puerto Rico, April 12-16, 1999)*, volume 1586 of *LNCS*, pages 1130–1144. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[43] Roberto Ansaloni, Paolo Malfetti, and Tiziana Paccagnella. Porting a limited area numerical weather forecasting model on a scalable shared memory parallel computer. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 1435–1438. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[44] Gabriel Antoniu, Luc Bougé, and Raymond Namyst. An efficient and transparent thread migration scheme in the pm2 runtime system. In José et al. Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 13th International Parallel Processing Symposium and 10th Symposium on Parallel and Distributed Processing (San Juan, Puerto Rico, April 12-16, 1999)*, volume 1586 of *LNCS*, pages 496–510. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[45] Gabriel Antoniu and Christian Perez. Using preemptive thread migration to load-balance data-parallel applications. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference*

on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999), volume 1685 of *LNCS*, pages 117–124. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[46] Gheorghe Antonoiu and Pradip K. Srimani. Mutual exclusion between neighboring nodes in an arbitrary system graph tree that stabilizes using read/write atomicity. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 823–830. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[47] Luciana Bezerra Arantes, Bertil Folliot, and Pierre Sens. A node count-independent logical clock for scaling lazy release consistency protocol. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 815–822. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[48] Peter Arbenz, Andrew Cleary, Jack Dongarra, and Markus Hegland. A comparison of parallel solvers for diagonnally dominant and general narrow-banded linear systems ii. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 1078–1087. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[49] Esther M. Arkin, Michael A. Bender, Joseph S.B. Mitchell, and Steven S. Skiena. The lazy bureaucrat scheduling problem. In Frank Dehne, Arvind Gupta, Jörg-Rüdiger Sack, and Roberto Tamassia, editors, *Proceedings of the 6th International Workshop on Algorithms and Data Structures, WADS'99 (Vancouver, Canada, August 11-14, 1999)*, volume 1663 of *LNCS*, pages 122–133. Springer-

Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[50] V. Arvind, K.V. Subrahmanyan, and N.V. Vinodchandran. The query complexity of program checking by constant-depth circuits. In Alok Aggarwal and C. Pandu Rangan, editors, *Proceedings of the 10th International Symposium on Algorithms and Computation, ISAAC'99 (Chennai, India December 16-18, 1999)*, volume 1741 of *LNCS*, pages 123–132. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[51] Vikraman Arvind and Jacobo Torán. Sparse sets, approximable sets, and parallel queries to *np*. In Christoph Meinel and Sophie Tison, editors, *Proceedings of the 16th Annual Symposium on Theoretical Aspects of Computer Science, STACS'99 (Trier, Germany, March 4-6, 1999)*, volume 1563 of *LNCS*, pages 281–290. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[52] Yuichi Asahiro, Hajime Asama, Satoshi Fujita, Ichiro Suzuki, and Masafumi Yamashita. Distributed algorithms for carrying a ladder by omnidirectional robots in near optimal time. In Henrik I. Christensen, Horst Bunke, and Hartmut Noltemeier, editors, *International Workshop on Sensor Based Intelligent Robots (Dagstuhl Castle, Germany, September 28 - October 2, 1998)*, volume 1724 of *LNCS*, pages 240–254. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[53] Tetsuo Asano, Naoki Katoh, and Kazuhiro Kawashima. A new approximation algorithm for the capacitated vehicle routing problem on a tree. In Alok Aggarwal and C. Pandu Rangan, editors, *Proceedings of the 10th International Symposium on Algorithms and Computation, ISAAC'99 (Chennai, India December 16-18, 1999)*, volume 1741 of *LNCS*, pages 317–326. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[54] Alper Atamtürk, George L. Nemhauser, and Martin W.P. Savelsbergh. Valid inequalities for problems with additive variable upper bounds. In Gérard Cornuéjols, Rainer E. Burkard, and Gerhard J.

Woeginger, editors, *Proceedings of the 7th International Conference on Integer Programming and Combinatorial Optimization, IPCO'99 (Graz, Austria, June 9-11, 1999)*, volume 1610 of *LNCS*, pages 60–72. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[55] Isabelle Attali, Denis Caromel, and Sylvain Lippi. From a specification to an equivalence proof in object-oriented parallelism. In José et al. Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 13th International Parallel Processing Symposium and 10th Symposium on Parallel and Distributed Processing (San Juan, Puerto Rico, April 12-16, 1999)*, volume 1586 of *LNCS*, pages 1197–1214. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[56] Yonatan Aumann, Johan Håstad, Michael O. Rabin, and Madhu Sudan. Linear consistency testing. In Dorit Hochbaum, Klaus Jansen, José D.P. Rolim, and Alistair Sinclair, editors, *Proceedings of the 3rd International Workshop on Randomization and Approximation Techniques in Computer Science and Second International Workshop on Approximation Algorithms for Combinatorial Optimization Problems, RANDOM-APPROX'99, (Berkeley, CA, August 8-11, 1999)*, volume 1671 of *LNCS*, pages 109–120. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[57] D.R. Avresky and S. Geoghegan. Sofware implemented fault tolerance in hypercube. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 515–518. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[58] Yossi Azar and Oded Regev. Off-line temporary tasks assignment. In Jaroslav Nešetřil, editor, *Proceedings of the 7th Annual European Symposium on Algorithms, ESA'99 (Prague, Czech Republic,*

July 16-18, 1999), volume 1643 of *LNCS*, pages 163–171. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[59] Thomas Baar, Ekkart Kindler, and Hagen Völzer. Verifying intuition — ilf checks dawn proofs. In Susanna Donatelli and Jetty Kleijn, editors, *Proceedings of the 20th International Conference on Application and Theory of Petri Nets, ICATPN'99 (Williamsburg, Virginia, June 21-25, 1999)*, volume 1639 of *LNCS*, pages 404–423. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[60] Matthias Baaz, Agata Ciabattoni, Christian Fermüller, and Helmut Veith. On the undecidability of some sub-classical first-order logics. In C. Pandu, Rangan, V. Raman, and R. Ramanujam, editors, *Proceedings of the 19th Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'99 (Chennai, India, December 13-15, 1999)*, volume 1738 of *LNCS*, pages 258–268. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[61] Robert Babilon, Helena Nyklová, Ondřej Pangrác, and Jan Vondrák. Visibility representations of complete graphs. In *Proceedings of the 7th International Symposium on Graph Drawing, GD'99 (Štiřín Castle, Czech Republic, September 15-19, 1999), SERIES = LNCS, VOLUME = 1731, PAGES = 333-340, YEAR = 1999, EDITOR = Kratochvíl, Jan, PUBLISHER = Springer-Verlag, ADDRESS = Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo,.*

[62] Sabine Bachl. Isomorphic subgraphs. In *Proceedings of the 7th International Symposium on Graph Drawing, GD'99 (Štiřín Castle, Czech Republic, September 15-19, 1999), SERIES = LNCS, VOLUME = 1731, PAGES = 286-296, YEAR = 1999, EDITOR = Kratochvíl, Jan, PUBLISHER = Springer-Verlag, ADDRESS = Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo,.*

[63] Rolf Backofen and Sebastian Will. Excluding symmetries in constraint-based search. In Joxan Jaffar, editor, *Proceedings of the 5th Interna-*

tional Conference on Principles and Practice of Constraint Programming, CP'99 (Alexandria, VA, October 11-14, 1999), volume 1713 of *LNCS*, pages 73–87. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Budapest-Hong Kong-London-Mailand-Paris-Santa Clara-Singapur-Tokyo, 1999.

[64] Jean-Paul Bahsoun, Rami El-Baïda, and Hugues-Olivier Yar. Decision precedure for temporal logic of concurrent objects. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 1344–1352. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[65] Mark Baker, Bryan Carpenter, Geoffrey Fox, Sung Hoon Ko, and Sang Lim. mpijava: An object-oriented java interface to mpi. In José et al. Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 13th International Parallel Processing Symposium and 10th Symposium on Parallel and Distributed Processing (San Juan, Puerto Rico, April 12-16, 1999)*, volume 1586 of *LNCS*, pages 748–762. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[66] Roberto Baldoni, Francesco Quaglia, and Michel Raynal. Distributed database checkpointing. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 450–458. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[67] Andreas Baltz, Tomasz Schoen, and Anand Srivastav. Probabilistic construction of small strongly sum-free sets via large sidon sets. In Dorit Hochbaum, Klaus Jansen, José D.P. Rolim, and Alistair Sinclair, editors, *Proceedings of the 3rd International Workshop on Randomization and Approximation Techniques in Computer Science and Second International Workshop on Approximation Algorithms for Com-*

binatorial Optimization Problems, RANDOM-APPROX'99, (Berkeley, CA, August 8-11, 1999), volume 1671 of *LNCS*, pages 138–143. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[68] Evripidis Rodolphe Giroudeau Bampis and Jean-Claude König. Using duplication for the multiprocessor scheduling problem with hierarchical communications. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 369–372. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[69] Nikhil Bansal and Venkatesh Raman. Upper bounds for maxsat: Further improved. In Alok Aggarwal and C. Pandu Rangan, editors, *Proceedings of the 10th International Symposium on Algorithms and Computation, ISAAC'99 (Chennai, India December 16-18, 1999)*, volume 1741 of *LNCS*, pages 247–258. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[70] Amotz Bar-Noy, Ari Freund, and Joseph (Seffi) Naor. On-line load balancing in a hierarchical server topology. In Jaroslav Nešetřil, editor, *Proceedings of the 7th Annual European Symposium on Algorithms, ESA'99 (Prague, Czech Republic, July 16-18, 1999)*, volume 1643 of *LNCS*, pages 77–88. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[71] Amotz Bar-Noy, Magnús M. Halldórsson, Guy Kortsarz, Ravit Salman, and Hadas Shachnai. Sum multi-coloring of graphs. In Jaroslav Nešetřil, editor, *Proceedings of the 7th Annual European Symposium on Algorithms, ESA'99 (Prague, Czech Republic, July 16-18, 1999)*, volume 1643 of *LNCS*, pages 390–401. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[72] Reuven Bar-Yehuda and Dror Rawitz. Efficient algorithms for integer programs with two variables per constraint. In Jaroslav Nešetřil, editor,

Proceedings of the 7th Annual European Symposium on Algorithms, ESA'99 (Prague, Czech Republic, July 16-18, 1999), volume 1643 of *LNCS*, pages 116–126. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[73] Gill Barequet, Prosenjit Bose, and Matthew T. Dickerson. Optimizing constrained offset and scaled polygonal annuli. In Frank Dehne, Arvind Gupta, Jörg-Rüdiger Sack, and Roberto Tamassia, editors, *Proceedings of the 6th International Workshop on Algorithms and Data Structures, WADS'99 (Vancouver, Canada, August 11-14, 1999)*, volume 1663 of *LNCS*, pages 62–73. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[74] Gill Barequet, Matthew T. Dickerson, and Robert L. Scot Drysdale. 2-point site voronoi diagrams. In Frank Dehne, Arvind Gupta, Jörg-Rüdiger Sack, and Roberto Tamassia, editors, *Proceedings of the 6th International Workshop on Algorithms and Data Structures, WADS'99 (Vancouver, Canada, August 11-14, 1999)*, volume 1663 of *LNCS*, pages 219–230. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[75] Ala Eddine Barouni, Ali Jaoua, and Nejib Zaguia. Visualizing algorithms for the design and analysis of survivable networks. In *Proceedings of the 7th International Symposium on Graph Drawing, GD'99 (Štiřín Castle, Czech Republic, September 15-19, 1999), SERIES = LNCS, VOLUME = 1731, PAGES = 232-241, YEAR = 1999, EDITOR = Kratochvíl, Jan, PUBLISHER = Springer-Verlag, ADDRESS = Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo,.*

[76] Michel Barreteau, François Bodin, Zbigniew Chamski, Henri-Pierre Charles, Christine Eisenbeis, John Gurd, Jan Hoogerbrugge, Ping Hu, William Jalby, Toru Kisuki, Peter M.W. Knijnenburg, Paul van der Mark, Andy Nisbet, Michael F.P. O'Boyle, Erven Rohou, André Seznec, Elena A. Stöhr, Menno Treffers, and Harry A.G. Wijshoff. Oceans — optimising compilers for embedded applications. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August*

31 - September 3, 1999), volume 1685 of *LNCS*, pages 1171–1175. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[77] Rana Barua, Suman Roy, and Zhou Chaochen. Completeness of neighbourhood logic. In Christoph Meinel and Sophie Tison, editors, *Proceedings of the 16th Annual Symposium on Theoretical Aspects of Computer Science, STACS'99 (Trier, Germany, March 4-6, 1999)*, volume 1563 of *LNCS*, pages 521–530. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[78] Venansius Baryamureeba, Trond Steihaug, and Yin Zhang. Application of a class of preconditioners to large scale linear programming problems. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 1044–1048. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[79] Wojciech Basalaj and Karen Eilbeck. Straight-line drawings of protein interactions — system demonstration. In *Proceedings of the 7th International Symposium on Graph Drawing, GD'99 (Štiřín Castle, Czech Republic, September 15-19, 1999), SERIES = LNCS, VOLUME = 1731, PAGES = 259-266, YEAR = 1999, EDITOR = Kratochvíl, Jan, PUBLISHER = Springer-Verlag, ADDRESS = Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo,.*

[80] Rémi Bastide, Philippe Palanque, Ousmane Sy, Duc-Hoa Le, and David Navarre. Petri net based behavioural specification of corba systems. In Susanna Donatelli and Jetty Kleijn, editors, *Proceedings of the 20th International Conference on Application and Theory of Petri Nets, ICATPN'99 (Williamsburg, Virginia, June 21-25, 1999)*, volume 1639 of *LNCS*, pages 66–85. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[81] Vladimir Batagelj, Andrej Mrvar, and Matjaž Zaveršnik. Partitioning approach to visualization of large graphs. In *Proceedings of the 7th*

International Symposium on Graph Drawing, GD'99 (Štiřín Castle, Czech Republic, September 15-19, 1999), SERIES = LNCS, VOLUME = 1731, PAGES = 90-97, YEAR = 1999, EDITOR = Kratochvíl, Jan, PUBLISHER = Springer-Verlag, ADDRESS = Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo,.

[82] Tuğkan Batu, Ronitt Rubinfeld, and Patrick White. Fast approximate pcps for multidimensional bin-packing problems. In Dorit Hochbaum, Klaus Jansen, José D.P. Rolim, and Alistair Sinclair, editors, *Proceedings of the 3rd International Workshop on Randomization and Approximation Techniques in Computer Science and Second International Workshop on Approximation Algorithms for Combinatorial Optimization Problems, RANDOM-APPROX'99, (Berkeley, CA, August 8-11, 1999)*, volume 1671 of *LNCS*, pages 245–256. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[83] Serafim Batzoglou and Sorin Istrail. Physical mapping with repeated probes: The hypergraph superstring problem. In Maxime Crochemore and Mike Paterson, editors, *Proceedings of the 10th Annual Symposium on Combinatorial Pattern Matching, CPM'99 (Warwick University, United Kingdom, July 22-24, 1999)*, volume 1645 of *LNCS*, pages 66–77. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[84] Olivier Baudon, Guillaume Fertin, and Ivan Havel. Routing permutations in the hypercube. In Peter Widmayer, Gabriele Neyer, and Stephan Eidenbenz, editors, *Proceedings of the 25th International Workshop on Graph-Theoretic Concepts in Computer Science, WG'99 (Ascona, Switzerland, June 17-19, 1999)*, volume 1665 of *LNCS*, pages 179–190. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[85] Luca Becchetti, Miriam di Ianni, and Alberto Marchetti-Spaccamela. Approximation algorithms for routing and call scheduling in all-optical chains and rings. In C. Pandu, Rangan, V. Raman, and R. Ramanujam, editors, *Proceedings of the 19th Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'99 (Chennai, India, December 13-15, 1999)*, volume 1738 of *LNCS*, pages 201–212.

Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[86] Ch. Becker, S. Kilian, S. Turek, and the FEAST Group. Consequences of modern hardware design for numerical simulations and their realization in feast. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 643–650. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[87] P. Becuzzi, M. Coppola, and M. Vanneschi. Mining of association rules in very large databases: A structured paralle approach. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 1441–1450. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[88] Marek A. Bednarczyk and Andrzej M. Borzyszkowski. General morphisms of petri nets. In Jiří Wiedermann, Peter van Emde Boas, and Mogens Nielsen, editors, *Proceedings of the 26th International Colloquium on Automata, Languages and Programming, ICALP'99 (Prague, Czech Republic, July 11-15, 1999)*, volume 1644 of *LNCS*, pages 190–199. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[89] Lila Behzadi. Layoutshow: A signed applet/application for graph drawing and experimentation — system demonstration. In *Proceedings of the 7th International Symposium on Graph Drawing, GD'99 (Štiřín Castle, Czech Republic, September 15-19, 1999), SERIES = LNCS, VOLUME = 1731, PAGES = 242-249, YEAR = 1999, EDITOR = Kratochvíl, Jan, PUBLISHER = Springer-Verlag, ADDRESS = Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo,*.

[90] Wolfgang W. Bein, Marek Chrobak, and Lawrence L. Larmore. The 3-server problem in the plane. In Jaroslav Nešetřil, editor,

Proceedings of the 7th Annual European Symposium on Algorithms, ESA'99 (Prague, Czech Republic, July 16-18, 1999), volume 1643 of *LNCS*, pages 301–312. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[91] A. Belias, A. Bogaerts, D. Botterill, J. Dawson, E. Denes, F. Giacomini, R. Hauser, C. Hortnagl, R. Hughes-Jones, S. Kolya, D. Mercer, R. Middleton, J. Schlereth, P. Werner, and F. Wickens. Sci prototyping for the second level trigger system of the atlas experiment. In Hermann Hellwagner and Alexander Reinefeld, editors, *SCI: Scalable Coherent Interface — Architecture and Software for High-Performance Compute Clusters*, volume 1734 of *LNCS*, pages 397–414. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[92] Amir Ben-Dor, Itsik Pe'er, Ron Shamir, and Roded Sharan. On the complexity of positional sequencing by hybridization. In Maxime Crochemore and Mike Paterson, editors, *Proceedings of the 10th Annual Symposium on Combinatorial Pattern Matching, CPM'99 (Warwick University, United Kingdom, July 22-24, 1999)*, volume 1645 of *LNCS*, pages 88–100. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[93] András A. Benczúr, Jörg Förster, and Zoltán Király. Dilworth's theorem and its application for path systems of a cycle — implementation and analysis. In Jaroslav Nešetřil, editor, *Proceedings of the 7th Annual European Symposium on Algorithms, ESA'99 (Prague, Czech Republic, July 16-18, 1999)*, volume 1643 of *LNCS*, pages 498–509. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[94] Michael A. Bender and Chandra Chekuri. Performance guarantees for the tsp with a parameterized triangle inequality. In Frank Dehne, Arvind Gupta, Jörg-Rüdiger Sack, and Roberto Tamassia, editors, *Proceedings of the 6th International Workshop on Algorithms and Data Structures, WADS'99 (Vancouver, Canada, August 11-14, 1999)*, volume 1663 of *LNCS*, pages 80–85. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[95] Siegfried Benkner. Optimizing irregular hpf applications using halos. In José et al. Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 13th International Parallel Processing Symposium and 10th Symposium on Parallel and Distributed Processing (San Juan, Puerto Rico, April 12-16, 1999)*, volume 1586 of *LNCS*, pages 1015–1024. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[96] Siegfried Benkner, Guy Lonsdale, and Hans Zima. The hpf+ project: Supporting hpf for advanced industrial applications. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 1155–1165. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[97] Peter Benner, Enrique S. Quintana-Ortí, and Gregorio Quintana-Ortí. Solving stable stein equations on distributed memory computers. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 1120–1123. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[98] Bonnie Holte Bennett and George Hadden. Condition-based maintenance: Algorithms and applications for embedded high performance computing. In José et al. Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 13th International Parallel Processing Symposium and 10th Symposium on Parallel and Distributed Processing (San Juan, Puerto Rico, April 12-16, 1999)*, volume 1586 of *LNCS*, pages 1418–1438. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[99] David Benoit, Erik D. Demaine, J. Ian Munro, and Venkatesh Raman. Representing trees of higher degree. In Frank Dehne, Arvind

Gupta, Jörg-Rüdiger Sack, and Roberto Tamassia, editors, *Proceedings of the 6th International Workshop on Algorithms and Data Structures, WADS'99 (Vancouver, Canada, August 11-14, 1999)*, volume 1663 of *LNCS*, pages 169–180. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[100] Clifford Bergman and Giora Slutzki. Complexity of some problems in universal algebra. In Christoph Meinel and Sophie Tison, editors, *Proceedings of the 16th Annual Symposium on Theoretical Aspects of Computer Science, STACS'99 (Trier, Germany, March 4-6, 1999)*, volume 1563 of *LNCS*, pages 163–172. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[101] Piotr Berman, Andrew B. Kahng, Devendra Vidhani, and Alexander Zelikovsky. The t-join problem in sparse graphs: Applications to phase assignment problem in vlsi mask layout. In Frank Dehne, Arvind Gupta, Jörg-Rüdiger Sack, and Roberto Tamassia, editors, *Proceedings of the 6th International Workshop on Algorithms and Data Structures, WADS'99 (Vancouver, Canada, August 11-14, 1999)*, volume 1663 of *LNCS*, pages 25–36. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[102] Piotr Berman and Marek Karpinski. On some tighter inapproximability results. In Jiří Wiedermann, Peter van Emde Boas, and Mogens Nielsen, editors, *Proceedings of the 26th International Colloquium on Automata, Languages and Programming, ICALP'99 (Prague, Czech Republic, July 11-15, 1999)*, volume 1644 of *LNCS*, pages 200–209. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[103] Anna Bernasconi, Carsten Damm, and Igor E. Shparlinski. On the average sensitivity of testing square-free numbers. In Takao Asano, Hiroshi Imai, D.T. Lee, Shin-ichi Nakano, and Takeshi Tokuyama, editors, *Proceedings of the 5th Annual International Conference on Computing and Combinatorics, COCOON'99 (Tokyo, Japan, July 26-28, 1999)*, volume 1627 of *LNCS*, pages 291–299. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[104] Anna Bernasconi and Igor Shparlinski. Circuit complexity of testing square-free numbers. In Christoph Meinel and Sophie Tison, editors, *Proceedings of the 16th Annual Symposium on Theoretical Aspects of Computer Science, STACS'99 (Trier, Germany, March 4-6, 1999)*, volume 1563 of *LNCS*, pages 47–56. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[105] Thorsten Bernholt, Alexander Gülich, Thomas Hofmeister, and Niels Schmitt. Football elimination is hard to decide under the 3-point-rule. In Mirosław Kutyłowski, Leszek Pacholski, and Tomasz Wierzbicki, editors, *Proceedings of the 24th International Symposium on Mathematical Foundations of Computer Science, MFCS'99 (Szklarska Poręba, Poland, September 6-10, 1999)*, volume 1672 of *LNCS*, pages 410–418. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[106] Anne Berry, Jean-Paul Bordat, and Olivier Cogis. Generating all the minimal separators of a graph. In Peter Widmayer, Gabriele Neyer, and Stephan Eidenbenz, editors, *Proceedings of the 25th International Workshop on Graph-Theoretic Concepts in Computer Science, WG'99 (Ascona, Switzerland, June 17-19, 1999)*, volume 1665 of *LNCS*, pages 167–172. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[107] Vincent Berry, Tao Jiang, Paul Kearny, Ming Li, and Todd Wareham. Quartet cleaning: Improved algorithms and simulations. In Jaroslav Nešetřil, editor, *Proceedings of the 7th Annual European Symposium on Algorithms, ESA'99 (Prague, Czech Republic, July 16-18, 1999)*, volume 1643 of *LNCS*, pages 313–324. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[108] François Bertault. A force-directed algorithm that preserves edge crossing properties. In *Proceedings of the 7th International Symposium on Graph Drawing, GD'99 (Štiřín Castle, Czech Republic, September 15-19, 1999), SERIES = LNCS, VOLUME = 1731, PAGES = 351-358, YEAR = 1999, EDITOR = Kratochvíl, Jan, PUBLISHER =*

Springer-Verlag, ADDRESS = Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo,.

[109] François Bertault and Mirka Miller. An algorithm for drawing compound graphs. In *Proceedings of the 7th International Symposium on Graph Drawing, GD'99 (Štiřín Castle, Czech Republic, September 15-19, 1999), SERIES = LNCS, VOLUME = 1731, PAGES = 197-204, YEAR = 1999, EDITOR = Kratochvíl, Jan, PUBLISHER = Springer-Verlag, ADDRESS = Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo,.*

[110] Massimo Bertozzi, Alberto Broggi, Alessandra Fascioli, and Stefano Tommesani. Addressing real-time requirements of automatic vehicle guidance with mmx technology. In José et al. Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 13th International Parallel Processing Symposium and 10th Symposium on Parallel and Distributed Processing (San Juan, Puerto Rico, April 12-16, 1999)*, volume 1586 of *LNCS*, pages 1407–1417. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[111] Sergei Bespamyatnikh, Klara Kedem, and Michael Segal. Optimal facility location under various distance functions. In Frank Dehne, Arvind Gupta, Jörg-Rüdiger Sack, and Roberto Tamassia, editors, *Proceedings of the 6th International Workshop on Algorithms and Data Structures, WADS'99 (Vancouver, Canada, August 11-14, 1999)*, volume 1663 of *LNCS*, pages 318–329. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[112] Sergei Bespamyatnikh and Michael Segal. Rectilinear static and dynamic discrete 2-center problems. In Frank Dehne, Arvind Gupta, Jörg-Rüdiger Sack, and Roberto Tamassia, editors, *Proceedings of the 6th International Workshop on Algorithms and Data Structures, WADS'99 (Vancouver, Canada, August 11-14, 1999)*, volume 1663 of *LNCS*, pages 276–287. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[113] Eike Best, Raymond Devillers, and Maciej Koutny. The box algebra — a model of nets and process expressions. In Susanna Donatelli and

Jetty Kleijn, editors, *Proceedings of the 20th International Conference on Application and Theory of Petri Nets, ICATPN'99 (Williamsburg, Virginia, June 21-25, 1999)*, volume 1639 of *LNCS*, pages 344–363. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[114] Koichi Betsumiya, T. Aaron Gulliver, and Masaaki Harada. Binary optimal linear rate 1/2 codes. In Marc Fossorier, Hideki Imai, Shu Lin, and Alain Poli, editors, *Proceedings of the 13th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'99 (Honolulu, Hawaii, November 15-19, 1999)*, volume 1719 of *LNCS*, pages 462–471. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[115] Jean-Luc Beuchat and Eduardo Sanchez. An on-line arithmetic-based reconfigurable neuroprocessor. In José et al. Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 13th International Parallel Processing Symposium and 10th Symposium on Parallel and Distributed Processing (San Juan, Puerto Rico, April 12-16, 1999)*, volume 1586 of *LNCS*, pages 700–702. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[116] Sergei L. Bezrukov, Sajal K. Das, and Robert Elsässer. Optimal cuts for powers of the petersen graph. In Peter Widmayer, Gabriele Neyer, and Stephan Eidenbenz, editors, *Proceedings of the 25th International Workshop on Graph-Theoretic Concepts in Computer Science, WG'99 (Ascona, Switzerland, June 17-19, 1999)*, volume 1665 of *LNCS*, pages 228–239. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[117] S.L. Bezrukov, R. Elsässer, and U.-P. Schroeder. On bounds for the k-partitioning of graphs. In Takao Asano, Hiroshi Imai, D.T. Lee, Shin-ichi Nakano, and Takeshi Tokuyama, editors, *Proceedings of the 5th Annual International Conference on Computing and Combinatorics, COCOON'99 (Tokyo, Japan, July 26-28, 1999)*, volume 1627 of *LNCS*, pages 154–163. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[118] Mahesh C. Bhandari, Manish K. Gupta, and Arbind K. Lal. On z_4-simplex codes and their gray images. In Marc Fossorier, Hideki Imai, Shu Lin, and Alain Poli, editors, *Proceedings of the 13th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'99 (Honolulu, Hawaii, November 15-19, 1999)*, volume 1719 of *LNCS*, pages 170–180. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[119] B.K. Bhattacharya and M.E. Houle. Generalized maximum independent sets for trees in subquadratic time. In Alok Aggarwal and C. Pandu Rangan, editors, *Proceedings of the 10th International Symposium on Algorithms and Computation, ISAAC'99 (Chennai, India December 16-18, 1999)*, volume 1741 of *LNCS*, pages 435–445. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[120] Nicole Bidoit and Sandra de Amo. Implicit temporal query languages: Towards completeness. In C. Pandu, Rangan, V. Raman, and R. Ramanujam, editors, *Proceedings of the 19th Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'99 (Chennai, India, December 13-15, 1999)*, volume 1738 of *LNCS*, pages 245–257. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[121] Therese Biedl, Anna Bretscher, and Henk Meijer. Rectangle of influence drawings of graphs without filled 3-cycles. In *Proceedings of the 7th International Symposium on Graph Drawing, GD'99 (Štiřín Castle, Czech Republic, September 15-19, 1999), SERIES = LNCS, VOLUME = 1731, PAGES = 359-368, YEAR = 1999, EDITOR = Kratochvíl, Jan, PUBLISHER = Springer-Verlag, ADDRESS = Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo,.*

[122] Therese C. Biedl, Erik D. Demaine, Sylvain Lazard, Steven M. Robbins, and Michael A. Soss. Convexifying monotone polygons. In Alok Aggarwal and C. Pandu Rangan, editors, *Proceedings of the 10th International Symposium on Algorithms and Computation, ISAAC'99 (Chennai, India December 16-18, 1999)*, volume 1741 of

LNCS, pages 415–424. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[123] Wolfgang Bietenholz, Norbert Eicker, Andreas Frommer, Thomas Lippert, Björn Medeke, and Klaus Schilling. A preconditioner for improved fermion actions. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 1040–1043. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[124] Gianfranco Bilardi, Andrea Pietracaprina, and Geppino Pucci. A quantitative measure of portability with application to bandwidth-latency models for parallel computing. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 543–551. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[125] Stefan Bischof, Thomas Schickinger, and Angelika Steger. Load balancing using bisectors — a tight average-case analysis. In Jaroslav Nešetřil, editor, *Proceedings of the 7th Annual European Symposium on Algorithms, ESA'99 (Prague, Czech Republic, July 16-18, 1999)*, volume 1643 of *LNCS*, pages 172–183. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[126] Ian F. Blake. Curves with many points and their applications. In Marc Fossorier, Hideki Imai, Shu Lin, and Alain Poli, editors, *Proceedings of the 13th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'99 (Honolulu, Hawaii, November 15-19, 1999)*, volume 1719 of *LNCS*, pages 55–64. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[127] Uri Blass, Iiro Honkala, and Simon Litsyn. On the size of identifying codes. In Marc Fossorier, Hideki Imai, Shu Lin, and Alain

Poli, editors, *Proceedings of the 13th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'99 (Honolulu, Hawaii, November 15-19, 1999)*, volume 1719 of *LNCS*, pages 142–147. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[128] Eric Blayo, Laurent Debreu, Grégory Mounié, and Denis Trystram. Dynamic load balancing for ocean circulation model with adaptive meshing. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 303–312. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[129] Brian Blount, Siddhartha Chatterjee, and Michael Philippsen. Irregular parallel algorithms in java. In José et al. Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 13th International Parallel Processing Symposium and 10th Symposium on Parallel and Distributed Processing (San Juan, Puerto Rico, April 12-16, 1999)*, volume 1586 of *LNCS*, pages 1026–1035. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[130] Cristina Boeres, Aline Nascimento, and Vinod E.F. Rebello. Scheduling arbitrary task graphs on logp machines. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 340–349. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[131] Cristina Boeres, Aline Nascimento, and Vinod E.F. Rebello. Towards an effective task clustering heuristic for logp machines. In José et al. Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 13th International Parallel Processing Symposium and 10th Symposium on Parallel and Distributed Processing (San Juan, Puerto Rico,*

April 12-16, 1999), volume 1586 of *LNCS*, pages 1065–1074. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[132] Nicolas Boghossian, Oliver Kohlbacher, and Hans-Peter Lenhof. Ball: Biochemical algorithms library. In Jeffrey S. Vitter and Christos D. Zaroliagis, editors, *Proceedings of the 3rd International Workshop on Algorithm Engineering, WAE'99 (London, United Kingdom, July 19-21, 1999)*, volume 1668 of *LNCS*, pages 330–344. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[133] Jesper Bojesen, Jyrki Katajainen, and Maz Spork. Performance engineering case study: Heap construction. In Jeffrey S. Vitter and Christos D. Zaroliagis, editors, *Proceedings of the 3rd International Workshop on Algorithm Engineering, WAE'99 (London, United Kingdom, July 19-21, 1999)*, volume 1668 of *LNCS*, pages 301–315. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[134] Ladislau Bölöni, Ruibing Hao, Kyungkoo Jun, and Dan C. Marinescu. Structural biology metaphors applied to the design of a distributed object system. In José et al. Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 13th International Parallel Processing Symposium and 10th Symposium on Parallel and Distributed Processing (San Juan, Puerto Rico, April 12-16, 1999)*, volume 1586 of *LNCS*, pages 275–283. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[135] Alexander Bolotov, Clare Dixon, and Michael Fisher. Clausal resolution for ctl$\star$. In Mirosław Kutyłowski, Leszek Pacholski, and Tomasz Wierzbicki, editors, *Proceedings of the 24th International Symposium on Mathematical Foundations of Computer Science, MFCS'99 (Szklarska Poręba, Poland, September 6-10, 1999)*, volume 1672 of *LNCS*, pages 137–148. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[136] James W. Bond, Stefen Hui, and Hank Schmidt. The euclidean algorithm and primitive polynomials over finite fields. In Marc Fossorier,

Hideki Imai, Shu Lin, and Alain Poli, editors, *Proceedings of the 13th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'99 (Honolulu, Hawaii, November 15-19, 1999)*, volume 1719 of *LNCS*, pages 482–491. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[137] Kiran Bondalapati, Pedro Diniz, Phillip Duncan, John Granacki, Mary Hall, Rajeev Jain, and Heide Ziegler. Defacto: A design environment for adaptive computing technology. In José et al. Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 13th International Parallel Processing Symposium and 10th Symposium on Parallel and Distributed Processing (San Juan, Puerto Rico, April 12-16, 1999)*, volume 1586 of *LNCS*, pages 570–578. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[138] Yann Boniface, Frédéric Alexandre, and Stéphane Vialle. A library to implement neural networks on mimd machines. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 935–938. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[139] J.L. Bordim, J. Cui, T. Hayashi, K. Nakano, and S. Olariu. Energy-efficient initialization protocols for ad-hoc radio networks. In Alok Aggarwal and C. Pandu Rangan, editors, *Proceedings of the 10th International Symposium on Algorithms and Computation, ISAAC'99 (Chennai, India December 16-18, 1999)*, volume 1741 of *LNCS*, pages 215–224. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[140] Patricia Borensztejn, Cristina Barrado, and Jesus Labarta. Influence of variable time operations in static instruction scheduling. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, Au-*

gust 31 - September 3, 1999), volume 1685 of *LNCS*, pages 213–216. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[141] Prosenjit Bose, Christos Kaklamanis, Lefteris M. Kirousis, Evangelos Kranakis, Danny Krizank, and David Peleg. Station layouts in the presence of location constraints. In Alok Aggarwal and C. Pandu Rangan, editors, *Proceedings of the 10th International Symposium on Algorithms and Computation, ISAAC'99 (Chennai, India December 16-18, 1999)*, volume 1741 of *LNCS*, pages 269–278. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[142] Prosenjit Bose and Pat Morin. Online routing in triangulations. In Alok Aggarwal and C. Pandu Rangan, editors, *Proceedings of the 10th International Symposium on Algorithms and Computation, ISAAC'99 (Chennai, India December 16-18, 1999)*, volume 1741 of *LNCS*, pages 113–122. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[143] Prosenjit Bose and Pat Morin. Testing the quality of manufactured balls. In Frank Dehne, Arvind Gupta, Jörg-Rüdiger Sack, and Roberto Tamassia, editors, *Proceedings of the 6th International Workshop on Algorithms and Data Structures, WADS'99 (Vancouver, Canada, August 11-14, 1999)*, volume 1663 of *LNCS*, pages 145–156. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[144] M. Bossert, H. Grieẞser, J. Maucher, and V.V. Zyablov. Some results on generalized concatenation of block codes. In Marc Fossorier, Hideki Imai, Shu Lin, and Alain Poli, editors, *Proceedings of the 13th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'99 (Honolulu, Hawaii, November 15-19, 1999)*, volume 1719 of *LNCS*, pages 181–190. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[145] László Böszörményi, Andreas Wickner, and Harald Wolf. Performance evaluation of object oriented middleware. In P. Amestoy,

P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 258–261. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[146] O. Botti, V. de Florio, G. Deconinck, F. Cassinari, S. Donatelli, A. Bobbio, A. Klein, H. Kufner, R. Lauwereins, E. Thurner, and E. Verhulst. Tiran: Flexible and portable fault tolerance solutions for cost effective dependable applications. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 1166–1170. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[147] Ahmed Bouajjani and Richard Mayr. Model checking lossy vector addition systems. In Christoph Meinel and Sophie Tison, editors, *Proceedings of the 16th Annual Symposium on Theoretical Aspects of Computer Science, STACS'99 (Trier, Germany, March 4-6, 1999)*, volume 1563 of *LNCS*, pages 323–333. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[148] Vincent Bouchitté and Ioan Todinca. Treewidth and minimum fill-in of weakly triangulated graphs. In Christoph Meinel and Sophie Tison, editors, *Proceedings of the 16th Annual Symposium on Theoretical Aspects of Computer Science, STACS'99 (Trier, Germany, March 4-6, 1999)*, volume 1563 of *LNCS*, pages 197–206. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[149] Athanasios Bouganis, Ioannis Caragiannis, and Christos Kaklamanis. Implementation issues and experimental study of a wavelength routing algorithm for irregular all-optical networks. In Jeffrey S. Vitter and Christos D. Zaroliagis, editors, *Proceedings of the 3rd International Workshop on Algorithm Engineering, WAE'99 (London, United Kingdom, July 19-21, 1999)*, volume 1668 of *LNCS*, pages 258–270.

Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[150] Luc Bougé, Jean-François Méhaut, and Raymond Namyst. Efficient communications in multithreaded runtime systems. In José et al. Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 13th International Parallel Processing Symposium and 10th Symposium on Parallel and Distributed Processing (San Juan, Puerto Rico, April 12-16, 1999)*, volume 1586 of *LNCS*, pages 468–482. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[151] L.A. Boukas, N.Th. Mimikou, N.M. Missirlis, G.L. Mellor, A. Lascaratos, and G. Korres. The parallelization of the princeton ocean model. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 1395–1402. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[152] Azzedine Boukerche and Sajal K. Das. Null messages cancellation through load balancing in distributed simulations. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 562–569. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[153] Patricia Bouyer and Antoine Petit. Decomposition and composition of timed automata. In Jiří Wiedermann, Peter van Emde Boas, and Mogens Nielsen, editors, *Proceedings of the 26th International Colloquium on Automata, Languages and Programming, ICALP'99 (Prague, Czech Republic, July 11-15, 1999)*, volume 1644 of *LNCS*, pages 210–219. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[154] Joan Boyar, Kim S. Larsen, and Morten N. Nielsen. The accomodating function — a generalization of the competitive ratio. In Frank Dehne, Arvind Gupta, Jörg-Rüdiger Sack, and Roberto Tamassia, editors, *Proceedings of the 6th International Workshop on Algorithms and Data Structures, WADS'99 (Vancouver, Canada, August 11-14, 1999)*, volume 1663 of *LNCS*, pages 74–79. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[155] Serdar Boztag. New lower bounds on the periodic crosscorrelation of qam codes with arbitrary energy. In Marc Fossorier, Hideki Imai, Shu Lin, and Alain Poli, editors, *Proceedings of the 13th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'99 (Honolulu, Hawaii, November 15-19, 1999)*, volume 1719 of *LNCS*, pages 410–419. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[156] Zahia Brahimi, Karima Ait Saadi, and Noria Baraka. Vector quantization-fractal image coding algorithm based on delaunay triangulation. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 1018–1021. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[157] Franz J. Brandenburg, Michael Jünger, Joe Marks, Petra Mutzel, and Falk Schreiber. Graph-drawing contest report. In *Proceedings of the 7th International Symposium on Graph Drawing, GD'99 (Štiřín Castle, Czech Republic, September 15-19, 1999), SERIES = LNCS, VOLUME = 1731, PAGES = 400-409, YEAR = 1999, EDITOR = Kratochvíl, Jan, PUBLISHER = Springer-Verlag, ADDRESS = Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo,.*

[158] Thomas Brandes. Exploiting advanced task parallelism in high performance fortran via a task library. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors,

Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999), volume 1685 of *LNCS*, pages 833–844. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[159] Ulrik Brandes. Hunting down graph b. In *Proceedings of the 7th International Symposium on Graph Drawing, GD'99 (Štiřín Castle, Czech Republic, September 15-19, 1999), SERIES = LNCS, VOLUME = 1731, PAGES = 410-415, YEAR = 1999, EDITOR = Kratochvíl, Jan, PUBLISHER = Springer-Verlag, ADDRESS = Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo,.*

[160] Ulrik Brandes, Patrick Kenis, and Dorothea Wagner. Centrality in policy network drawings. In *Proceedings of the 7th International Symposium on Graph Drawing, GD'99 (Štiřín Castle, Czech Republic, September 15-19, 1999), SERIES = LNCS, VOLUME = 1731, PAGES = 250-258, YEAR = 1999, EDITOR = Kratochvíl, Jan, PUBLISHER = Springer-Verlag, ADDRESS = Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo,.*

[161] Andreas Brandstädt, Feodor F. Dragan, and Ekkehard Köhler. Linear time algorithms for hamiltonian problems on (claw,net)-free graphs. In Peter Widmayer, Gabriele Neyer, and Stephan Eidenbenz, editors, *Proceedings of the 25th International Workshop on Graph-Theoretic Concepts in Computer Science, WG'99 (Ascona, Switzerland, June 17-19, 1999)*, volume 1665 of *LNCS*, pages 364–376. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[162] Fabian Bregg and Dennis Gannon. A customizable implementation of rmi for high performance computing. In José et al. Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 13th International Parallel Processing Symposium and 10th Symposium on Parallel and Distributed Processing (San Juan, Puerto Rico, April 12-16, 1999)*, volume 1586 of *LNCS*, pages 733–747. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[163] Klaus Brengel, Andreas Crauser, Paolo Ferragina, and Ulrich Meyer. An experimental study of priority queues in external memory. In Jeffrey S. Vitter and Christos D. Zaroliagis, editors, *Proceedings of the 3rd International Workshop on Algorithm Engineering, WAE'99 (London, United Kingdom, July 19-21, 1999)*, volume 1668 of *LNCS*, pages 345–359. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[164] Richard P. Brent. Some parallel algorithms for integer factorisation. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 1–22. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[165] Stina S. Bridgeman, Giuseppe di Battista, Walter Didimo, Giuseppe Liotta, Roberto Tamassia, and Luca Vismara. Turn-regularity and planar orthogonal drawings. In *Proceedings of the 7th International Symposium on Graph Drawing, GD'99 (Štiřín Castle, Czech Republic, September 15-19, 1999), SERIES = LNCS, VOLUME = 1731, PAGES = 8-26, YEAR = 1999, EDITOR = Kratochvíl, Jan, PUBLISHER = Springer-Verlag, ADDRESS = Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo,.*

[166] Christoph A. Bröcker and Alejandro López-Ortiz. Position-independent street searching. In Frank Dehne, Arvind Gupta, Jörg-Rüdiger Sack, and Roberto Tamassia, editors, *Proceedings of the 6th International Workshop on Algorithms and Data Structures, WADS'99 (Vancouver, Canada, August 11-14, 1999)*, volume 1663 of *LNCS*, pages 241–252. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[167] Christoph A. Bröcker and Sven Schuierer. Searching rectilinear streets completely. In Frank Dehne, Arvind Gupta, Jörg-Rüdiger Sack, and Roberto Tamassia, editors, *Proceedings of the 6th International Workshop on Algorithms and Data Structures, WADS'99 (Vancouver, Canada, August 11-14, 1999)*, volume 1663 of *LNCS*, pages 98–109.

Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[168] Gerth Stølting Brodal and Rolf Fagerberg. Dynamic representations of sparse graphs. In Frank Dehne, Arvind Gupta, Jörg-Rüdiger Sack, and Roberto Tamassia, editors, *Proceedings of the 6th International Workshop on Algorithms and Data Structures, WADS'99 (Vancouver, Canada, August 11-14, 1999)*, volume 1663 of *LNCS*, pages 342–351. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[169] Gerth Stølting Brodal, Rune B. Lyngsø, Christian N.S. Pedersen, and Jens Stoye. Finding maximal pairs with bounded gap. In Maxime Crochemore and Mike Paterson, editors, *Proceedings of the 10th Annual Symposium on Combinatorial Pattern Matching, CPM'99 (Warwick University, United Kingdom, July 22-24, 1999)*, volume 1645 of *LNCS*, pages 134–149. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[170] Andrei Z. Broder and Michael Mitzenmacher. Completeness and robustness properties of min-wise independent permutations. In Dorit Hochbaum, Klaus Jansen, José D.P. Rolim, and Alistair Sinclair, editors, *Proceedings of the 3rd International Workshop on Randomization and Approximation Techniques in Computer Science and Second International Workshop on Approximation Algorithms for Combinatorial Optimization Problems, RANDOM-APPROX'99, (Berkeley, CA, August 8-11, 1999)*, volume 1671 of *LNCS*, pages 1–10. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[171] Andrej Brodnik, Svante Carlsson, Erik D. Demaine, J. Ian Munro, and Robert Sedgewick. Resizable arrays in optimal time and space. In Frank Dehne, Arvind Gupta, Jörg-Rüdiger Sack, and Roberto Tamassia, editors, *Proceedings of the 6th International Workshop on Algorithms and Data Structures, WADS'99 (Vancouver, Canada, August 11-14, 1999)*, volume 1663 of *LNCS*, pages 37–48. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[172] Matthias Brune, Axel Keller, and Alexander Reinefeld. Multi-user system management on sci clusters. In Hermann Hellwagner and Alexander Reinefeld, editors, *SCI: Scalable Coherent Interface — Architecture and Software for High-Performance Compute Clusters*, volume 1734 of *LNCS*, pages 443–461. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[173] Håkon Bugge and Knut Omang. Affordable scalability using multicubes. In Hermann Hellwagner and Alexander Reinefeld, editors, *SCI: Scalable Coherent Interface — Architecture and Software for High-Performance Compute Clusters*, volume 1734 of *LNCS*, pages 167–175. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[174] Harry Buhrman and Lance Fortnow. One-sided versus two-sided error in probabilistic computation. In Christoph Meinel and Sophie Tison, editors, *Proceedings of the 16th Annual Symposium on Theoretical Aspects of Computer Science, STACS'99 (Trier, Germany, March 4-6, 1999)*, volume 1563 of *LNCS*, pages 100–109. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[175] Harry Buhrman, Tao Jiang, Ming Li, and Paul Vitányi. New applications of the incompressibility method. In Jiří Wiedermann, Peter van Emde Boas, and Mogens Nielsen, editors, *Proceedings of the 26th International Colloquium on Automata, Languages and Programming, ICALP'99 (Prague, Czech Republic, July 11-15, 1999)*, volume 1644 of *LNCS*, pages 220–229. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[176] Roger Butenuth and Hans-Ulrich Heiss. Interfacaing sci device drivers to linux. In Hermann Hellwagner and Alexander Reinefeld, editors, *SCI: Scalable Coherent Interface — Architecture and Software for High-Performance Compute Clusters*, volume 1734 of *LNCS*, pages 179–190. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[177] Jin-Yi Cai. A new transference theorem in the geometry of numbers. In Takao Asano, Hiroshi Imai, D.T. Lee, Shin-ichi Nakano, and Takeshi

Tokuyama, editors, *Proceedings of the 5th Annual International Conference on Computing and Combinatorics, COCOON'99 (Tokyo, Japan, July 26-28, 1999)*, volume 1627 of *LNCS*, pages 113–122. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[178] Jin-Yi Cai, George Havas, Bernard Mans, Ajay Nerurkar, Jean-Pierre Seifert, and Igor Shparlinski. On routing in circulant graphs. In Takao Asano, Hiroshi Imai, D.T. Lee, Shin-ichi Nakano, and Takeshi Tokuyama, editors, *Proceedings of the 5th Annual International Conference on Computing and Combinatorics, COCOON'99 (Tokyo, Japan, July 26-28, 1999)*, volume 1627 of *LNCS*, pages 360–369. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[179] Jin-Yi Cai, A. Pavan, and D. Sivakumar. On the hardness of permanent. In Christoph Meinel and Sophie Tison, editors, *Proceedings of the 16th Annual Symposium on Theoretical Aspects of Computer Science, STACS'99 (Trier, Germany, March 4-6, 1999)*, volume 1563 of *LNCS*, pages 90–99. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[180] Mao-cheng Cai, Xiaotie Deng, and Wenan Zang. A min-max theorem on feedback vertex sets. In Gérard Cornuéjols, Rainer E. Burkard, and Gerhard J. Woeginger, editors, *Proceedings of the 7th International Conference on Integer Programming and Combinatorial Optimization, IPCO'99 (Graz, Austria, June 9-11, 1999)*, volume 1610 of *LNCS*, pages 73–86. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[181] Vanusa Menditi Calegario and Inês de Castro Dutra. Performance evaluation of or-parallel logic programming systems on distributed shared-memory architectures. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 1484–1491. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[182] J.C. Campelo, P. Yuste, F. Rodríguez, P.J. Gil, and J.J. Serrano. Dependability evaluation of fault tolerant distributed industrial control systems. In José et al. Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 13th International Parallel Processing Symposium and 10th Symposium on Parallel and Distributed Processing (San Juan, Puerto Rico, April 12-16, 1999)*, volume 1586 of *LNCS*, pages 384–388. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[183] Lorenzo Capra, Rossano Gaeta, and Oliver Botti. Swn nets as a framework for the specification and the analysis of ft techniques adopted in electric plant automation. In Susanna Donatelli and Jetty Kleijn, editors, *Proceedings of the 20th International Conference on Application and Theory of Petri Nets, ICATPN'99 (Williamsburg, Virginia, June 21-25, 1999)*, volume 1639 of *LNCS*, pages 168–187. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[184] Alberto Caprara, Matteo Fischetti, and Adam N. Letchford. On the separation of maximally violated mod-k cuts. In Gérard Cornuéjols, Rainer E. Burkard, and Gerhard J. Woeginger, editors, *Proceedings of the 7th International Conference on Integer Programming and Combinatorial Optimization, IPCO'99 (Graz, Austria, June 9-11, 1999)*, volume 1610 of *LNCS*, pages 87–98. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[185] Ioannis Caragiannis, Christos Kaklamanis, and Pino Persiano. Edge coloring of bipartite graphs. In Mirosław Kutyłowski, Leszek Pacholski, and Tomasz Wierzbicki, editors, *Proceedings of the 24th International Symposium on Mathematical Foundations of Computer Science, MFCS'99 (Szklarska Poręba, Poland, September 6-10, 1999)*, volume 1672 of *LNCS*, pages 376–386. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[186] Massimiliano Caramia and Paolo Dell'Olmo. A fast and simple local search for graph coloring. In Jeffrey S. Vitter and Chris-

tos D. Zaroliagis, editors, *Proceedings of the 3rd International Workshop on Algorithm Engineering, WAE'99 (London, United Kingdom, July 19-21, 1999)*, volume 1668 of *LNCS*, pages 316–329. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[187] Luca Cardelli. Wide area computation. In Jiří Wiedermann, Peter van Emde Boas, and Mogens Nielsen, editors, *Proceedings of the 26th International Colloquium on Automata, Languages and Programming, ICALP'99 (Prague, Czech Republic, July 11-15, 1999)*, volume 1644 of *LNCS*, pages 10–24. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[188] Luca Cardelli, Giorgio Ghelli, and Andrew D. Gordon. Mobility types for mobile ambients. In Jiří Wiedermann, Peter van Emde Boas, and Mogens Nielsen, editors, *Proceedings of the 26th International Colloquium on Automata, Languages and Programming, ICALP'99 (Prague, Czech Republic, July 11-15, 1999)*, volume 1644 of *LNCS*, pages 230–239. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[189] Claude Carlet and Philippe Guillot. A new representation of boolean functions. In Marc Fossorier, Hideki Imai, Shu Lin, and Alain Poli, editors, *Proceedings of the 13th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'99 (Honolulu, Hawaii, November 15-19, 1999)*, volume 1719 of *LNCS*, pages 94–103. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[190] Enrique V. Carrera and Ricardo Bianchini. Netcache: A network/cache hybrid for multiprocessors. In José et al. Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 13th International Parallel Processing Symposium and 10th Symposium on Parallel and Distributed Processing (San Juan, Puerto Rico, April 12-16, 1999)*, volume 1586 of *LNCS*, pages 859–872. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[191] Enrique V. Carrera and Ricardo Bianchini. Nwcache: Optimizing disk accesses via an optical network/write cache hybrid. In

José et al. Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 13th International Parallel Processing Symposium and 10th Symposium on Parallel and Distributed Processing (San Juan, Puerto Rico, April 12-16, 1999)*, volume 1586 of *LNCS*, pages 845–858. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[192] L. Carroll, B. Tondu, C. Baron, and J.C. Geffroy. Uml framework for the design of real-time robot controllers. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 511–514. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[193] Luiz M. Carvalho and Luc Giraud. Parallel subdomain-based preconditioner for the schur complement. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 1032–1039. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[194] Henri Casanova, MyungHo Kim, James S. Plank, and Jack J. Dongarra. Adaptive scheduling for task farming with grid middleware. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 30–43. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[195] John Case, Keh-Jiann Chen, and Sanjay Jain. Costs of general purpose learning. In Christoph Meinel and Sophie Tison, editors, *Proceedings of the 16th Annual Symposium on Theoretical Aspects of Computer Science, STACS'99 (Trier, Germany, March 4-6, 1999)*, volume 1563

of *LNCS*, pages 424–433. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[196] Ilaria Castellani, Madhavan Mukund, and P.S. Thiagarajan. Synthesizing distributed transition systems from global specifications. In C. Pandu, Rangan, V. Raman, and R. Ramanujam, editors, *Proceedings of the 19th Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'99 (Chennai, India, December 13-15, 1999)*, volume 1738 of *LNCS*, pages 219–231. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[197] Luís Fernando Castro, Vítor Santos Costa, Cláudio F.R. Geyer, Fernando Silva, Patrícia Kayser Vargas, and Manuel E. Correia. Daos — scalable and-or parallelism. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 899–908. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[198] Marco Catunda, Noemi Rodriguez, and Roberto Ierusalimschy. Dynmaic extension of corba servers. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 1369–1376. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[199] Samarjit Chakraborty and Somenath Biswas. Approximation algorithms for 3-d common substructure identification in drug and protein molecules. In Frank Dehne, Arvind Gupta, Jörg-Rüdiger Sack, and Roberto Tamassia, editors, *Proceedings of the 6th International Workshop on Algorithms and Data Structures, WADS'99 (Vancouver, Canada, August 11-14, 1999)*, volume 1663 of *LNCS*, pages 253–264. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[200] Prachya Chalermwat, Tarek El-Ghazawi, and Jacqueline LeMoigne. Ga-based parallel image registration on parallel clusters. In José et al. Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 13th International Parallel Processing Symposium and 10th Symposium on Parallel and Distributed Processing (San Juan, Puerto Rico, April 12-16, 1999)*, volume 1586 of *LNCS*, pages 257–265. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[201] F. Chalot, G. Chevalier, Q.V. Dinh, and L. Giraud. Some investigations of domain decomposition techniques in parallel cfd. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 595–602. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[202] Wun-Tat Chan, Francis Y.L. Chin, and Hing-Fung Ting. A faster algorithm for finding disjoint paths in grids. In Alok Aggarwal and C. Pandu Rangan, editors, *Proceedings of the 10th International Symposium on Algorithms and Computation, ISAAC'99 (Chennai, India December 16-18, 1999)*, volume 1741 of *LNCS*, pages 393–402. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[203] L. Sunil Chandran. A high girth graph construction and a lower bound for hitting set size for combinatorial rectangles. In C. Pandu, Rangan, V. Raman, and R. Ramanujam, editors, *Proceedings of the 19th Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'99 (Chennai, India, December 13-15, 1999)*, volume 1738 of *LNCS*, pages 283–290. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[204] K.K.P. Chanduka, Mahesh C. Bhandari, and Arbind K. Lal. Lower bounds for group covering designs. In Marc Fossorier, Hideki Imai, Shu Lin, and Alain Poli, editors, *Proceedings of the 13th*

International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'99 (Honolulu, Hawaii, November 15-19, 1999), volume 1719 of *LNCS*, pages 334–345. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[205] Jou-Ming Chang, Chin-Wen Ho, and Ming-Tat Ko. Lexbfs-ordering in asteroidal triple-free graphs. In Alok Aggarwal and C. Pandu Rangan, editors, *Proceedings of the 10th International Symposium on Algorithms and Computation, ISAAC'99 (Chennai, India December 16-18, 1999)*, volume 1741 of *LNCS*, pages 163–172. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[206] Steve J. Chapin, Walfredo Cirne, Dror G. Feitelson, James Patton Jones, Scott T. Leutenegger, Uwe Schwiegelshohn, Warren Smith, and David Talby. Benchmarks and standards for the evaluation of parallel job schedulers. In Dror G. Feitelson and Larry Rudolph, editors, *Proceedings of the 1999 IPPS/SPDP Workshop on Job Scheduling Strategies for Parallel Processing, IPPS/SPDP'99 (San Juan, Puerto Rico, April 16, 1999)*, volume 1659 of *LNCS*, pages 67–90. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[207] Steve J. Chapin, Dimitrios Katramatos, John Karpovich, and Andrew S. Grimshaw. The legion resource management system. In Dror G. Feitelson and Larry Rudolph, editors, *Proceedings of the 1999 IPPS/SPDP Workshop on Job Scheduling Strategies for Parallel Processing (San Juan, Puerto Rico, April 16, 1999)*, volume 1659 of *LNCS*, pages 162–178. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[208] B. Chapman, F. Bodin, L. Hill, J. Merlin, G. Viland, and F. Wollenweber. Fits — a light-weight integrated programming environment. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 125–134.

Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[209] Brett L. Chappell, David T. Marlow, Philip M. Irey IV, and Karen O'Donoghue. An approach for measuring ip security performance in a distributed environment. In José et al. Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 13th International Parallel Processing Symposium and 10th Symposium on Parallel and Distributed Processing (San Juan, Puerto Rico, April 12-16, 1999)*, volume 1586 of *LNCS*, pages 389–394. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[210] Gaurav Chare and Scott T. Leutenegger. The effect of correlating quantum allocation and job size for gang scheduling. In Dror G. Feitelson and Larry Rudolph, editors, *Proceedings of the 1999 IPPS/SPDP Workshop on Job Scheduling Strategies for Parallel Processing (San Juan, Puerto Rico, April 16, 1999)*, volume 1659 of *LNCS*, pages 91–110. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[211] Michel Charpentier and K. Mani Chandy. Examples of program composition illustrating the use of universal properties. In José et al. Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 13th International Parallel Processing Symposium and 10th Symposium on Parallel and Distributed Processing (San Juan, Puerto Rico, April 12-16, 1999)*, volume 1586 of *LNCS*, pages 1215–1227. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[212] Saurav Chatterjee. Dynamic application structuring on heterogeneous, distributed systems. In José et al. Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 13th International Parallel Processing Symposium and 10th Symposium on Parallel and Distributed Processing (San Juan, Puerto Rico, April 12-16, 1999)*, volume 1586 of *LNCS*, pages 442–453. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[213] Jeet Chaudhuri and Subhas C. Nandy. Generalized shooter location problem. In Takao Asano, Hiroshi Imai, D.T. Lee, Shinichi Nakano, and Takeshi Tokuyama, editors, *Proceedings of the 5th Annual International Conference on Computing and Combinatorics, COCOON'99 (Tokyo, Japan, July 26-28, 1999)*, volume 1627 of *LNCS*, pages 389–399. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[214] Jeet Chaudhuri and Subhas C. Nandy. Largest empty rectangle among a point set. In C. Pandu, Rangan, V. Raman, and R. Ramanujam, editors, *Proceedings of the 19th Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'99 (Chennai, India, December 13-15, 1999)*, volume 1738 of *LNCS*, pages 34–46. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[215] Frédérique Chaussumier, Frédéric Desprez, and Michel Loi. Efficient load-balancing and communication overlap in parallel shear-warp algorithm on a cluster of pcs. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 570–577. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[216] Bernard Chazelle. Geometric searching over the rationals. In Jaroslav Nešetřil, editor, *Proceedings of the 7th Annual European Symposium on Algorithms, ESA'99 (Prague, Czech Republic, July 16-18, 1999)*, volume 1643 of *LNCS*, pages 354–365. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[217] Ho-Lin Chen and Hsu-Chun Yen. Orthogonal and straight-line drawings of graphs with succinct representations. In *Proceedings of the 7th International Symposium on Graph Drawing, GD'99 (Štiřín Castle, Czech Republic, September 15-19, 1999), SERIES = LNCS, VOLUME = 1731, PAGES = 416-417, YEAR = 1999, EDITOR = Kratochvíl, Jan, PUBLISHER = Springer-Verlag, ADDRESS*

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

[218] Jian Chen and Valerie E. Taylor. Parapart: Parallel mesh partitioning tool for distributed systems. In José et al. Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 13th International Parallel Processing Symposium and 10th Symposium on Parallel and Distributed Processing (San Juan, Puerto Rico, April 12-16, 1999)*, volume 1586 of *LNCS*, pages 996–1005. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[219] Jianer Chen, Iyad A. Kanj, and Weijia Jia. Vertex cover: Further observations and further improvements. In Peter Widmayer, Gabriele Neyer, and Stephan Eidenbenz, editors, *Proceedings of the 25th International Workshop on Graph-Theoretic Concepts in Computer Science, WG'99 (Ascona, Switzerland, June 17-19, 1999)*, volume 1665 of *LNCS*, pages 313–324. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[220] Lei Chen, Shahadat Khan, Kin F. Li, and Eric G. Manning. Building an adaptive multimedia system using the utility model. In José et al. Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 13th International Parallel Processing Symposium and 10th Symposium on Parallel and Distributed Processing (San Juan, Puerto Rico, April 12-16, 1999)*, volume 1586 of *LNCS*, pages 289–298. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[221] Ting Chen and Ming-Yang Kao. On the informational asymmetry betweeen upper and lower bounds for ultrametric evolutionary trees. In Jaroslav Nešetřil, editor, *Proceedings of the 7th Annual European Symposium on Algorithms, ESA'99 (Prague, Czech Republic, July 16-18, 1999)*, volume 1643 of *LNCS*, pages 248–256. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[222] Wende Chen and Torleiv Kløve. On the second greedy weight for binary linear codes. In Marc Fossorier, Hideki Imai, Shu Lin, and

Alain Poli, editors, *Proceedings of the 13th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'99 (Honolulu, Hawaii, November 15-19, 1999)*, volume 1719 of *LNCS*, pages 131–141. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[223] C.C. Cheng, C.A. Duncan, M.T. Goodrich, and S.G. Kobourov. Drawing planar graphs with circular arcs. In *Proceedings of the 7th International Symposium on Graph Drawing, GD'99 (Štiřín Castle, Czech Republic, September 15-19, 1999), SERIES = LNCS, VOLUME = 1731, PAGES = 117-126, YEAR = 1999, EDITOR = Kratochvíl, Jan, PUBLISHER = Springer-Verlag, ADDRESS = Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo,.*

[224] Christine T. Cheng. A new approximation algorithm for the demand routing and slotting problem with unit demands on rings. In Dorit Hochbaum, Klaus Jansen, José D.P. Rolim, and Alistair Sinclair, editors, *Proceedings of the 3rd International Workshop on Randomization and Approximation Techniques in Computer Science and Second International Workshop on Approximation Algorithms for Combinatorial Optimization Problems, RANDOM-APPROX'99, (Berkeley, CA, August 8-11, 1999)*, volume 1671 of *LNCS*, pages 209–220. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[225] Joseph Cheriyan, Tibor Jordán, and R. Ravi. On 2-coverings and 2-packings of laminar families. In Jaroslav Nešetřil, editor, *Proceedings of the 7th Annual European Symposium on Algorithms, ESA'99 (Prague, Czech Republic, July 16-18, 1999)*, volume 1643 of *LNCS*, pages 510–520. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[226] Victoria Chernyakhovsky, Peter Frey, Radharamanan Radhakrishnan, Philip A. Wilsey, Perry Alexander, and Harold W. Carter. A formal framework for specifying and verifying time warp optimizations. In José et al. Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 13th International Parallel Processing Symposium and 10th Symposium on Parallel and Distributed Processing (San Juan, Puerto*

Rico, April 12-16, 1999), volume 1586 of *LNCS*, pages 1228–1242. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[227] To-Yat Cheung and Yiqin Lu. Five classes of invariant-preserving transformations on colored petri nets. In Susanna Donatelli and Jetty Kleijn, editors, *Proceedings of the 20th International Conference on Application and Theory of Petri Nets, ICATPN'99 (Williamsburg, Virginia, June 21-25, 1999)*, volume 1639 of *LNCS*, pages 384–403. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[228] Chi-Hung Chi and Jun-Li Yuan. Design considerations of high performance data cache with prefetching. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 1243–1250. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[229] Fancis Chin, Der Tsai Lee, and Cao An Wang. A parallel algorithm for finding the constrained voronoi diagram of line segments in the plane. In Frank Dehne, Arvind Gupta, Jörg-Rüdiger Sack, and Roberto Tamassia, editors, *Proceedings of the 6th International Workshop on Algorithms and Data Structures, WADS'99 (Vancouver, Canada, August 11-14, 1999)*, volume 1663 of *LNCS*, pages 231–240. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[230] Francis Y.L. Chin, Cao An Wang, and Fu Lee Wang. Maximum stabbing line in 2d plane. In Takao Asano, Hiroshi Imai, D.T. Lee, Shin-ichi Nakano, and Takeshi Tokuyama, editors, *Proceedings of the 5th Annual International Conference on Computing and Combinatorics, COCOON'99 (Tokyo, Japan, July 26-28, 1999)*, volume 1627 of *LNCS*, pages 379–388. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[231] Ka Wong Chong, Yijie Han, Yoshihide Igarashi, and Tak Wah Lam. Improving parallel computation with fast integer sorting. In

Takao Asano, Hiroshi Imai, D.T. Lee, Shin-ichi Nakano, and Takeshi Tokuyama, editors, *Proceedings of the 5th Annual International Conference on Computing and Combinatorics, COCOON'99 (Tokyo, Japan, July 26-28, 1999)*, volume 1627 of *LNCS*, pages 452–461. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[232] Peng Yin Choo, Abram Detofsky, and Ahmed Louri. A multi-wavelength optical content-addressable parallel processor (mw-ocapp) for high-speed parallel relational database processing: Architectural concepts and preliminary experimental system. In José et al. Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 13th International Parallel Processing Symposium and 10th Symposium on Parallel and Distributed Processing (San Juan, Puerto Rico, April 12-16, 1999)*, volume 1586 of *LNCS*, pages 873–886. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[233] Piotr Chrząstowski-Wachtel. Testing undecidability of the reachability in petri nets with the help of 10th hilbert problem. In Susanna Donatelli and Jetty Kleijn, editors, *Proceedings of the 20th International Conference on Application and Theory of Petri Nets, ICATPN'99 (Williamsburg, Virginia, June 21-25, 1999)*, volume 1639 of *LNCS*, pages 268–281. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[234] Fabián A. Chudak and David P. Williamson. Improved approximation algorithms for capacitated facility location problems. In Gérard Cornuéjols, Rainer E. Burkard, and Gerhard J. Woeginger, editors, *Proceedings of the 7th International Conference on Integer Programming and Combinatorial Optimization, IPCO'99 (Graz, Austria, June 9-11, 1999)*, volume 1610 of *LNCS*, pages 99–113. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[235] Ferdinando Cicalese and Daniele Mundici. Optimal binary search with two unreliable tests and minimum adaptiveness. In Jaroslav

Nešetřil, editor, *Proceedings of the 7th Annual European Symposium on Algorithms, ESA'99 (Prague, Czech Republic, July 16-18, 1999)*, volume 1643 of *LNCS*, pages 257–266. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[236] Serafino Cicerone, Gabriele di Stefano, and Dagmar Handke. Survivable networks with bounded delay: The edge failure case. In Alok Aggarwal and C. Pandu Rangan, editors, *Proceedings of the 10th International Symposium on Algorithms and Computation, ISAAC'99 (Chennai, India December 16-18, 1999)*, volume 1741 of *LNCS*, pages 205–214. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[237] Jānis Cīrulis. An algebraic approach to knowledge representation. In Mirosław Kutyłowski, Leszek Pacholski, and Tomasz Wierzbicki, editors, *Proceedings of the 24th International Symposium on Mathematical Foundations of Computer Science, MFCS'99 (Szklarska Poręba, Poland, September 6-10, 1999)*, volume 1672 of *LNCS*, pages 299–309. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[238] Raymond Clark, E. Douglas Jensen, Arkady Kanevsky, John Maurer, Paul Wallace, Thomas Wheeler, Yun Zhang, Douglas Wells, Tom Lawrence, and Pat Hurley. An adaptive, distributed airborne tracking systems. In José et al. Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 13th International Parallel Processing Symposium and 10th Symposium on Parallel and Distributed Processing (San Juan, Puerto Rico, April 12-16, 1999)*, volume 1586 of *LNCS*, pages 353–362. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[239] Michael Clausen and Meinard Müller. A fast program generator of fast fourier transforms. In Marc Fossorier, Hideki Imai, Shu Lin, and Alain Poli, editors, *Proceedings of the 13th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'99 (Honolulu, Hawaii, November 15-19, 1999)*, volume 1719

of *LNCS*, pages 29–42. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[240] José M. Claver, Vicente Hernández, and Enrique S. Quintana-Ortí. Parallel cyclic wavefront algorithms for solving semidefinite lyapunov equations. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 1104–1111. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[241] Mark Clement, Quinn Snell, and Glenn Judd. High performance computing for the masses. In José et al. Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 13th International Parallel Processing Symposium and 10th Symposium on Parallel and Distributed Processing (San Juan, Puerto Rico, April 12-16, 1999)*, volume 1586 of *LNCS*, pages 781–796. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[242] Andrea E.F. Clementi, Pierluigi Crescenzi, and Gianluca Rossi. On the complexity of approximating colored-graph problems. In Takao Asano, Hiroshi Imai, D.T. Lee, Shin-ichi Nakano, and Takeshi Tokuyama, editors, *Proceedings of the 5th Annual International Conference on Computing and Combinatorics, COCOON'99 (Tokyo, Japan, July 26-28, 1999)*, volume 1627 of *LNCS*, pages 281–290. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[243] Andrea E.F. Clementi, Paolo Penna, and Riccardo Silvestri. Hardness results for the power range assignment problem in packet radio networks. In Dorit Hochbaum, Klaus Jansen, José D.P. Rolim, and Alistair Sinclair, editors, *Proceedings of the 3rd International Workshop on Randomization and Approximation Techniques in Computer Science and Second International Workshop on Approximation Algorithms for Combinatorial Optimization Problems, RANDOM-APPROX'99, (Berkeley, CA, August 8-11, 1999)*, volume 1671 of

LNCS, pages 197–208. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[244] M. Closson, S. Gartshore, J. Johansen, and S.K. Wismath. Fully dynamic 3-dimensional orthogonal graph drawing. In *Proceedings of the 7th International Symposium on Graph Drawing, GD'99 (Štiřín Castle, Czech Republic, September 15-19, 1999), SERIES = LNCS, VOLUME = 1731, PAGES = 49-58, YEAR = 1999, EDITOR = Kratochvíl, Jan, PUBLISHER = Springer-Verlag, ADDRESS = Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo,.*

[245] Peter Clote. Protein folding, the levinthal paradox and rapidly mixing markov chains. In Jiří Wiedermann, Peter van Emde Boas, and Mogens Nielsen, editors, *Proceedings of the 26th International Colloquium on Automata, Languages and Programming, ICALP'99 (Prague, Czech Republic, July 11-15, 1999)*, volume 1644 of *LNCS*, pages 240–249. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[246] Albert Cohen and Vincent Lefebvre. Storage mapping optimization for parallel programs. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 375–382. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[247] Johanne Cohen, Pierre Fraigniaud, and Cyril Gavoille. Recognizing bipartite incident-graphs of circulant digraphs. In Peter Widmayer, Gabriele Neyer, and Stephan Eidenbenz, editors, *Proceedings of the 25th International Workshop on Graph-Theoretic Concepts in Computer Science, WG'99 (Ascona, Switzerland, June 17-19, 1999)*, volume 1665 of *LNCS*, pages 215–227. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[248] M. Colajanni, B. Ciciani, and F. Quaglia. Performance analysis of wormhole switching with adaptive routing in a two-dimensional torus. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and

D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 165–172. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[249] Jean-François Collard. Array ssa for explicitly parallel programs. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 383–390. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[250] Jonathan Combs, Candice Bechem Combs, and John Paul Shen. Mispredicted path cache effects. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 1322–1331. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[251] Jochen Comes and Mark Ziegelmann. An easy to use implementation of linear perturbations within cgal. In Jeffrey S. Vitter and Christos D. Zaroliagis, editors, *Proceedings of the Third International Workshop on Algorithm Engineering, WAE'99 (London, United Kingdom, July 19-21, 1999)*, volume 1668 of *LNCS*, pages 169–182. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[252] Kevin J. Compton and Scott Dexter. Proof techniques for cryptographic protocols. In Jiří Wiedermann, Peter van Emde Boas, and Mogens Nielsen, editors, *Proceedings of the 26th International Colloquium on Automata, Languages and Programming, ICALP'99 (Prague, Czech Republic, July 11-15, 1999)*, volume 1644 of *LNCS*, pages 25–39. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[253] Anne Condon and Richard M. Karp. Algorithms for graph partitioning on the planted partition model. In Dorit Hochbaum, Klaus Jansen, José D.P. Rolim, and Alistair Sinclair, editors, *Proceedings of the 3rd International Workshop on Randomization and Approximation Techniques in Computer Science and Second International Workshop on Approximation Algorithms for Combinatorial Optimization Problems, RANDOM-APPROX'99, (Berkeley, CA, August 8-11, 1999)*, volume 1671 of *LNCS*, pages 221–232. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[254] Giuseppe Confessore, Paolo Dell'Olmo, and Stefano Giordani. Vertex partitioning of crown-free interval graphs. In Peter Widmayer, Gabriele Neyer, and Stephan Eidenbenz, editors, *Proceedings of the 25th International Workshop on Graph-Theoretic Concepts in Computer Science, WG'99 (Ascona, Switzerland, June 17-19, 1999)*, volume 1665 of *LNCS*, pages 391–401. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[255] Daniel A. Connors, Jean-Michel Puiatti, David I. August, Kevin M. Crozier, and Wen-mei W. Hwu. An architecture framework for introducing predicated execution into embedded microprocessors. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 1301–1311. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[256] Gianni Conte, Michele Mazzeo, Agostino Poggi, Pietro Rossi, and Michele Vignali. Low cost databases for now. In José et al. Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 13th International Parallel Processing Symposium and 10th Symposium on Parallel and Distributed Processing (San Juan, Puerto Rico, April 12-16, 1999)*, volume 1586 of *LNCS*, pages 1163–1177. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[257] Gene Cooperman, Sandra Feisel, Joachim von zur Gathen, and George Havas. Gcd of many integers. In Takao Asano, Hiroshi Imai, D.T. Lee, Shin-ichi Nakano, and Takeshi Tokuyama, editors, *Proceedings of the 5th Annual International Conference on Computing and Combinatorics, COCOON'99 (Tokyo, Japan, July 26-28, 1999)*, volume 1627 of *LNCS*, pages 310–317. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[258] Joerg Cordsen and Marco Dimas Gubitoso. Improving communication support for parallel applications. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 188–192. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[259] Flavio Corradini, Rocco de Nicola, and Anna Labella. Graded modalities and resource bisimulation. In C. Pandu, Rangan, V. Raman, and R. Ramanujam, editors, *Proceedings of the 19th Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'99 (Chennai, India, December 13-15, 1999)*, volume 1738 of *LNCS*, pages 381–393. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[260] Ricardo C. Corrêa and Afonso Ferreira. A polynomial-time branching procedure for the multiprocessor scheduling problem. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 272–279. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[261] Veronique Cortier, Harald Ganzinger, Florent Jacquemard, and Margus Veanes. Decidable fragments of simultaneous rigid reachability. In Jiří Wiedermann, Peter van Emde Boas, and Mogens Nielsen, editors, *Proceedings of the 26th International Colloquium on Automata, Languages and Programming, ICALP'99 (Prague, Czech Republic,*

July 11-15, 1999), volume 1644 of *LNCS*, pages 250–260. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[262] David Coudert, Afonso Ferreira, and Xavier Muñoz. Otis-based multi-hop multi-ops lightwave networks. In José et al. Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 13th International Parallel Processing Symposium and 10th Symposium on Parallel and Distributed Processing (San Juan, Puerto Rico, April 12-16, 1999)*, volume 1586 of *LNCS*, pages 897–910. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[263] Philippe Courtier. Mercator, the mission. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 23–29. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[264] Elena Couselo, Santos Gonzalez, Victor Markov, and Alexandr Nechaev. Recursive mds-codes and pseudogeometries. In Marc Fossorier, Hideki Imai, Shu Lin, and Alain Poli, editors, *Proceedings of the 13th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'99 (Honolulu, Hawaii, November 15-19, 1999)*, volume 1719 of *LNCS*, pages 211–220. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[265] Jean-Michel Couvreur and Denis Poitrenaud. Detection of illegal behaviors based on unfoldings. In Susanna Donatelli and Jetty Kleijn, editors, *Proceedings of the 20th International Conference on Application and Theory of Petri Nets, ICATPN'99 (Williamsburg, Virginia, June 21-25, 1999)*, volume 1639 of *LNCS*, pages 364–383. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[266] Karl Crary and Greg Morrisett. Type structure for low-level programming languages. In Jiří Wiedermann, Peter van Emde Boas, and

Mogens Nielsen, editors, *Proceedings of the 26th International Colloquium on Automata, Languages and Programming, ICALP'99 (Prague, Czech Republic, July 11-15, 1999)*, volume 1644 of *LNCS*, pages 40–54. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[267] Andreas Crauser and Paolo Ferragina. On constructing suffix arrays in external memory. In Jaroslav Nešetřil, editor, *Proceedings of the 7th Annual European Symposium on Algorithms, ESA'99 (Prague, Czech Republic, July 16-18, 1999)*, volume 1643 of *LNCS*, pages 224–235. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[268] Andreas Crauser and Kurt Mehlhorn. Leda-sm — extending leda to secondary memory. In Jeffrey S. Vitter and Christos D. Zaroliagis, editors, *Proceedings of the 3rd International Workshop on Algorithm Engineering, WAE'99 (London, United Kingdom, July 19-21, 1999)*, volume 1668 of *LNCS*, pages 228–242. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[269] S.J. Creese and Joy Reed. Verifying end-to-end protocols using induction with csp/fdr. In José et al. Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 13th International Parallel Processing Symposium and 10th Symposium on Parallel and Distributed Processing (San Juan, Puerto Rico, April 12-16, 1999)*, volume 1586 of *LNCS*, pages 1243–1257. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[270] Pierluigi Crescenzi, Leandro Dardini, and Roberto Grossi. Ip address lookup made fast and simple. In Jaroslav Nešetřil, editor, *Proceedings of the 7th Annual European Symposium on Algorithms, ESA'99 (Prague, Czech Republic, July 16-18, 1999)*, volume 1643 of *LNCS*, pages 65–76. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[271] S. Crivelli, T. Head-Gordon, R. Byrd, E. Eskow, and R. Schnabel. A hierarchical approach for parallelization of a global optimization method for protein structure prediction. In P. Amestoy,

P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 578–585. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[272] M. Crochmore, F. Mignosi, A. Restivo, and S. Salemi. Text compression using antidictionaries. In Jiří Wiedermann, Peter van Emde Boas, and Mogens Nielsen, editors, *Proceedings of the 26th International Colloquium on Automata, Languages and Programming, ICALP'99 (Prague, Czech Republic, July 11-15, 1999)*, volume 1644 of *LNCS*, pages 261–270. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[273] Jason B. Crop and Doran K. Wilde. Scheduling structured systems. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 409–412. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[274] Grzegorz Crudziński. An improved disjunctive strictness analysis. In Mirosław Kutyłowski, Leszek Pacholski, and Tomasz Wierzbicki, editors, *Proceedings of the 24th International Symposium on Mathematical Foundations of Computer Science, MFCS'99 (Szklarska Poręba, Poland, September 6-10, 1999)*, volume 1672 of *LNCS*, pages 187–197. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[275] Felipe Cucker. Real computations with fake numbers. In Jiří Wiedermann, Peter van Emde Boas, and Mogens Nielsen, editors, *Proceedings of the 26th International Colloquium on Automata, Languages and Programming, ICALP'99 (Prague, Czech Republic, July 11-15, 1999)*, volume 1644 of *LNCS*, pages 55–73. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[276] William H. Cunningham and Lawrence Tang. Optimal 3-terminal cuts and linear programming. In Gérard Cornuéjols, Rainer E. Burkard, and Gerhard J. Woeginger, editors, *Proceedings of the 7th International Conference on Integer Programming and Combinatorial Optimization, IPCO'99 (Graz, Austria, June 9-11, 1999)*, volume 1610 of *LNCS*, pages 114–125. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[277] Dragoš Cvetković, Mirjana Čangalović, and Vera Kovačević-Vujčić. Semidefinite programming methods for the symmetric traveling salesman problem. In Gérard Cornuéjols, Rainer E. Burkard, and Gerhard J. Woeginger, editors, *Proceedings of the 7th International Conference on Integer Programming and Combinatorial Optimization, IPCO'99 (Graz, Austria, June 9-11, 1999)*, volume 1610 of *LNCS*, pages 126–136. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[278] Artur Czumaj, Ian Finch, Leszek Gąsieniec, Alan Gibbons, Paul Leng, Wojciech Rytter, and Michele Zito. Efficient web searching using temporal factors. In Frank Dehne, Arvind Gupta, Jörg-Rüdiger Sack, and Roberto Tamassia, editors, *Proceedings of the 6th International Workshop on Algorithms and Data Structures, WADS'99 (Vancouver, Canada, August 11-14, 1999)*, volume 1663 of *LNCS*, pages 294–305. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[279] Peter Damaschke. Multiple spinblock decisions. In Alok Aggarwal and C. Pandu Rangan, editors, *Proceedings of the 10th International Symposium on Algorithms and Computation, ISAAC'99 (Chennai, India December 16-18, 1999)*, volume 1741 of *LNCS*, pages 27–36. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[280] Mirela Damian-Iordache and Sriram V. Pemmaraju. Constant-factor approximation algorithms for domination problems on circle graphs. In Alok Aggarwal and C. Pandu Rangan, editors, *Proceedings of the 10th International Symposium on Algorithms and Computation, ISAAC'99 (Chennai, India December 16-18, 1999)*, volume 1741 of *LNCS*, pages

70–82. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[281] Mirela Damian-Iordache and Sriram V. Pemmaraju. Hardness of approximating independent domination in circle graphs. In Alok Aggarwal and C. Pandu Rangan, editors, *Proceedings of the 10th International Symposium on Algorithms and Computation, ISAAC'99 (Chennai, India December 16-18, 1999)*, volume 1741 of *LNCS*, pages 56–69. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[282] Carsten Damm, Ki Hang Kim, and Fred Roush. On covering and rank problems for boolean matrices and their applications. In Takao Asano, Hiroshi Imai, D.T. Lee, Shin-ichi Nakano, and Takeshi Tokuyama, editors, *Proceedings of the 5th Annual International Conference on Computing and Combinatorics, COCOON'99 (Tokyo, Japan, July 26-28, 1999)*, volume 1627 of *LNCS*, pages 123–133. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[283] Andreas Dandalis, Alessandro Mei, and Viktor K. Prasanna. Domain specific mapping for solving graph problems on reconfigurable devices. In José et al. Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 13th International Parallel Processing Symposium and 10th Symposium on Parallel and Distributed Processing (San Juan, Puerto Rico, April 12-16, 1999)*, volume 1586 of *LNCS*, pages 652–660. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[284] El Mostafa Daoudi and El Miloud Jaâra. Parallel methods of training for multilayer neural network. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 686–690. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[285] Abhijit Das and C.E. Veni Madhavan. Performance comparison of linear sieve and cubic sieve algorithms for discrete logarithms over prime fields. In Alok Aggarwal and C. Pandu Rangan, editors, *Proceedings of the 10th International Symposium on Algorithms and Computation, ISAAC'99 (Chennai, India December 16-18, 1999)*, volume 1741 of *LNCS*, pages 295–306. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[286] Sajal K. Das, Bhabani P. Sinha, and Rajarshi Chaudhuri. A combinatorial approach to performance analysis of a shared-memory multiprocessor. In Takao Asano, Hiroshi Imai, D.T. Lee, Shin-ichi Nakano, and Takeshi Tokuyama, editors, *Proceedings of the 5th Annual International Conference on Computing and Combinatorics, COCOON'99 (Tokyo, Japan, July 26-28, 1999)*, volume 1627 of *LNCS*, pages 462–472. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[287] Shlomit Dascal and Uzi Vishkin. Experiments with list ranking for explicit multi-threaded (xmt) instruction parallelism. In Jeffrey S. Vitter and Christos D. Zaroliagis, editors, *Proceedings of the 3rd International Workshop on Algorithm Engineering, WAE'99 (London, United Kingdom, July 19-21, 1999)*, volume 1668 of *LNCS*, pages 43–59. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[288] Emmett Davis, Bonnie Holte Bennett, Bill Wren, and Linda Davis. Reconfigurable parallel sorting and load balancing: Heterosort. In José et al. Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 13th International Parallel Processing Symposium and 10th Symposium on Parallel and Distributed Processing (San Juan, Puerto Rico, April 12-16, 1999)*, volume 1586 of *LNCS*, pages 1386–1406. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[289] Erik D. Demaine and Ian J. Munro. Fast allocation and deallocation with an improved buddy system. In C. Pandu, Rangan, V. Raman, and R. Ramanujam, editors, *Proceedings of the 19th Conference on Foundations of Software Technology and Theoretical Computer Science,*

FSTTCS'99 (Chennai, India, December 13-15, 1999), volume 1738 of *LNCS*, pages 84–96. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[290] Camil Demetrescu, Giuseppe di Battista, Irene Finocchi, Giuseppe Liotta, Maurizio Patrignani, and Maurizio Pizzonia. Infinite trees and the future. In *Proceedings of the 7th International Symposium on Graph Drawing, GD'99 (Štiřín Castle, Czech Republic, September 15-19, 1999), SERIES = LNCS, VOLUME = 1731, PAGES = 379-391, YEAR = 1999, EDITOR = Kratochvíl, Jan, PUBLISHER = Springer-Verlag, ADDRESS = Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo,.*

[291] Xiaotie Deng, Evangelos Milios, and Andy Mirzaian. Robot map verification of a graph world. In Frank Dehne, Arvind Gupta, Jörg-Rüdiger Sack, and Roberto Tamassia, editors, *Proceedings of the 6th International Workshop on Algorithms and Data Structures, WADS'99 (Vancouver, Canada, August 11-14, 1999)*, volume 1663 of *LNCS*, pages 86–97. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[292] Xiaotie Deng, Chung Keung Poon, and Yuzhong Zhang. Approximation algorithms in batch processing. In Alok Aggarwal and C. Pandu Rangan, editors, *Proceedings of the 10th International Symposium on Algorithms and Computation, ISAAC'99 (Chennai, India December 16-18, 1999)*, volume 1741 of *LNCS*, pages 153–162. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[293] Xiaotie Deng and Yuzhong Zhang. Minimizing mean response time in batch processing system. In Takao Asano, Hiroshi Imai, D.T. Lee, Shin-ichi Nakano, and Takeshi Tokuyama, editors, *Proceedings of the 5th Annual International Conference on Computing and Combinatorics, COCOON'99 (Tokyo, Japan, July 26-28, 1999)*, volume 1627 of *LNCS*, pages 231–240. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[294] Josep Díaz, Mathew D. Penrose, Jordi Petit, and María Serna. Layout problems on lattice graphs. In Takao Asano, Hiroshi Imai, D.T.

Lee, Shin-ichi Nakano, and Takeshi Tokuyama, editors, *Proceedings of the 5th Annual International Conference on Computing and Combinatorics, COCOON'99 (Tokyo, Japan, July 26-28, 1999)*, volume 1627 of *LNCS*, pages 103–112. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[295] Josep Díaz, Mathew D. Penrose, Jordi Petit, and María Serna. Linear orderings of random geometric graphs. In Peter Widmayer, Gabriele Neyer, and Stephan Eidenbenz, editors, *Proceedings of the 25th International Workshop on Graph-Theoretic Concepts in Computer Science, WG'99 (Ascona, Switzerland, June 17-19, 1999)*, volume 1665 of *LNCS*, pages 291–302. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[296] Martin Dickhöfer and Thomas Wilke. Timed alternating tree automata: The automata-theoretic solution to the tctl model checking problem. In Jiří Wiedermann, Peter van Emde Boas, and Mogens Nielsen, editors, *Proceedings of the 26th International Colloquium on Automata, Languages and Programming, ICALP'99 (Prague, Czech Republic, July 11-15, 1999)*, volume 1644 of *LNCS*, pages 281–290. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[297] Oliver Diessel, David Kearney, and Grant Wigley. A web-based multiuser operating system for reconfigurable computing. In José et al. Rolim, editor, *Proceedings of the IPPS/SPDP Workshops on Parallel and Distributed Processing — In Conjunction with the 13th International Parallel Processing Symposium and 10th Symposium on Parallel and Distributed Processing, IPPS/SPDP'99 (San Juan, Puerto Rico, April 12-16, 1999)*, volume 1586 of *LNCS*, pages 579–587. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[298] Krzysztof Diks, Evangelos Kranakis, Danny Krizanc, and Andrzej Pelc. The impact of knowledge on broadcasting time in radio networks. In Jaroslav Nešetřil, editor, *Proceedings of the 7th Annual European Symposium on Algorithms, ESA'99 (Prague, Czech Republic, July 16-18, 1999)*, volume 1643 of *LNCS*, pages 41–52. Springer-

Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[299] Dimitris Dimitrelos and Constantine Halatsis. Improving the performance of distributed shared memory environments on grid multiprocessors. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings of the 5th International Euro-Par Conference on Parallel Processing, Euro-Par'99 (Toulouse, France, August 31 - September 3, 1999)*, volume 1685 of *LNCS*, pages 159–162. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.

[300] Deepak D'Souza and P.S. Thiagarajan. Product interval automata: A subclass of timed automata. In C. Pandu, Rangan, V. Raman, and R. Ramanujam, editors, *Proceedings of the 19th Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'99 (Chennai, India, December 13-15, 1999)*, volume 1738 of *LNCS*, pages 60–71. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Singapore-Tokyo, 1999.