References

[1] Pankaj K. Agarwal, Lars Arge, Jun Yang, and Ke Yi. I/o-efficient structures for orthogonal range-max and stabbing-max queries. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 7–18. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[2] Pankaj K. Agarwal, Shankar Krishnan, Nabil H. Mustafa, and Suresh Venkatasubramanian. Streaming geometric optimization using graphics hardware. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 544–555. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[3] Mansoor Alicherry and Randeep Bhatia. Line system design and a generalized coloring problem. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 19–30. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[4] Aaron Archer, Ranjithkumar Rajagopalan, and David B. Shmoys. Lagrangian relaxation for the k-median problem: New insights and continuity properties. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 31–42. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[5] Nikhil Bansal, Avrim Blum, Shuchi Chawla, and Kedar Dhamdhere. Scheduling for flow-time with admission control. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 43–54. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[6] Reuven Bar-Yehuda, Guy Even, and Shimon (Moni) Shahar. On approximating a geometric prize-collecting traveling salesman problem with time windows. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 55–66. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[7] Luca Becchetti, Stefano Leonardi, Alberto Marchetti-Spaccamela, and Kirk Pruhs. Semi-clairvoyant scheduling. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 67–77. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[8] Alex R. Berg and Tibor Jordán. Algorithms for graph rigidity and scene analysis. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 78–89. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[9] Therese Biedl, Erik D. Demaine, Alexander Golynski, Joseph D. Horton, Alejandro López-Ortiz, Guillaume Poirier, and Claude-Guy Quimper. Optimal dynamic video-on-demand using adaptive broadcasting. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 90–101. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[10] Liad Blumrosen, Noam Nisan, and Ilya Segal. Multi-player and multi-round auctions with severely bounded communication. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 102–113. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[11] E. Boros, K. Elbassioni, V. Gurvich, and Leonid Khachiyan. An efficient implementation of a quasi-polynomial algorithm for generating hypergraph transversals. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 556–567. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[12] Ulrik Brandes, Marco Gaertler, and Dorothea Wagner. Experiments on graph clustering algorithms. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 568–579. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[13] Gruia Calinescu, Sanjiv Kapoor, Alexander Olshevsky, and Alexander Zelikovsky. Network lifetime and power assignment in ad hoc wireless networks. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 114–126. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[14] Bernard Chazelle. Sublinear computing. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 1–1. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[15] Zhi-Zhong Chen, Tao Jiang, Guohui Lin, Romeo Rizzi, Jianjun Wen, Dong Xu, and Ying Xu. More reliable protein nmr peak assignment via improved 2-interval scheduling. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 580–592. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[16] Otfried Cheong, Xavier Goaoc, and Hyeon-Suk Na. Disjoint unit spheres admit at most two line transversals. In Giuseppe Di Battista and

Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 127–135. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[17] Kai-min Chung and Hsueh-I Lu. An optimal algorithm for the maximum-density segment problem. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 136–147. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[18] Graham Cormode and S. Muthukrishnan. Estimating dominance norms of multiple data streams. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 148–160. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[19] Valentina Damerow, Friedhelm Meyer auf der Heide, Harald Räcke, Christian Scheideler, and Christian Sohler. Smoothed motion complexity. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 161–171. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[20] Mark de Berg. Kinetic dictionaries: How to shoot a moving target. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 172–183. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[21] Anders Dessmark, Pierre Fraigniaud, and Andrzej Pelc. Deterministic rendezvous in graphs. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 184–195. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[22] Luca Di Gaspero, Johannes Gärtner, Guy Kortsarz, Nysret Musliu, Andrea Schaerf, and Wolfgang Slany. The minimum shift design problem: Theory and practice. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 593–604. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[23] Marianne Durand and Philippe Flajolet. Loglog counting of large cardinalities. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 605–617. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[24] Friedrich Eisenbrand. Fast integer programming in fixed dimension. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 196–207. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[25] Friedrich Eisenbrand, Stefan Funke, Joachim Reichel, and Elmar Schömer. Packing a trunk. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 618–629. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[26] Dotan Emanuel and Amos Fiat. Correlation clustering — minimizing disagreements on arbitrary weighted graphs. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 208–220. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[27] Kaspar Fischer, Bernd Gärtner, and Martin Kutz. Fast smallest-enclosing-ball computation in high dimensions. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19,*

2003), volume 2832 of *LNCS*, pages 630–641. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[28] Fedor V. Fomin and Dimtirios M. Thilikos. Dominating sets and local treewidth. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 221–229. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[29] Stefan Funke, Domagoj Matijevic, and Peter Sanders. Approximating energy efficient paths in wireless multi-hop networks. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 230–241. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[30] Naveen Garg, Rohit Khandekar, Keshav Kunal, and Vinayaka Pandit. Bandwidth maximization in multicasting. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 242–253. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[31] Cyril Gavoille and Christophe Paul. Optimal distance labeling for interval and circular-arc graphs. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 254–265. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[32] Jens Gramm, Jiong Guo, Falk Hüffner, and Rolf Niedermeier. Automated generation of search tree algorithms for graph modificaton problems. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 642–653. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[33] Miguel Granados, Peter Hachenberger, Susan Hert, Lutz Kettner, Kurt Mehlhorn, and Michael Seel. Boolean operations on 3d selective nef complexes: Data structure, algorithms, and implementation. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 654–666. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[34] Sven Grothklags. Fleet assignment with connection dependent ground times. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 667–678. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[35] Magnús M. Halldórsson, Kazuo Iwama, Shuichi Miyazaki, and Hiroki Yanagisawa. Improved approximation of the stable marriage problem. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 266–277. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[36] Sariel Har-Peled and Soham Mazumdar. Fast algorithms for computing the smallest k-enclosing disc. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 278–288. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[37] Refael Hassin and Asaf Levin. The minimum generalized vertex cover problem. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 289–300. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[38] Thomas Hofmeister. An approximation algorithm for max-2-sat with cardinality constraint. In Giuseppe Di Battista and Uri Zwick, editors,

Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003), volume 2832 of *LNCS*, pages 301–312. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[39] Bala Kalyanasundaram and Mahe Velauthapillai. On-demand broadcasting under deadline. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 313–324. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[40] Alexis Kaporis, Christos Makris, Spyros Sioutas, Athanasios Tsakalidis, Kostas Tsichlas, and Christos Zaroliagis. Improved bounds for finger search on a ram. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 325–336. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[41] Menelaos I. Karavelas and Mariette Yvinec. The voronoi diagram of planar convex objects. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 337–348. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[42] Irit Katriel, Peter Sanders, and Jesper Larsson Träff. A practical minimum spanning tree algorithm using the cycle property. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 679–690. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[43] Alex Kesselman, Zvi Lotker, Yishay Mansour, and Boaz Patt-Shamir. Buffer overflows of merging streams. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19,*

2003), volume 2832 of *LNCS*, pages 349–360. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[44] Alex Kesselman, Yishay Mansour, and Rob van Stee. Improved competitive guarantees for qos buffering. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 361–372. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[45] Samir Khuller, Yoo-Ah Kim, and Yung-Chun (Justin) Wan. On generalized gossiping and broadcasting. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 373–384. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[46] Gunnar W. Klau, Ivana Ljubić, Petra Mutzel, Ulrich Pferschy, and René Weiskircher. The fractional prize-collecting steiner tree problem on trees. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 691–702. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[47] Guy Kortsarz and Sunil Shende. Approximating the achromatic number problem on bipartite graphs. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 385–396. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[48] Mirosław Kutyłowski and Wojciech Rutkowski. Adversary immune leader election in ad hoc radio networks. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 397–408. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[49] Luigi Laura, Stefano Leonardi, Stefano Millozzi, Ulrich Meyer, and Jop F. Sibeyn. Algorithms and experiments for the webgraph. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 703–714. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[50] Christian Liebchen. Finding short integral cycle bases for cyclic timetabling. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 715–726. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[51] Mohammad Mahdian and Martin Pál. Universal facility location. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 409–421. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[52] Grzegorz Malewicz. A method for creating near-optimal instances of a certified write-all algorithm. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 422–433. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[53] Ulrich Meyer and Norbert Zeh. I/o-efficient undirected shortest paths. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 434–445. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[54] Matthias Müller-Hannemann and Ute Zimmermann. Slack optimization of timing-critical nets. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms,*

ESA'2003 (Budapest, Hungary, September 16-19, 2003), volume 2832 of *LNCS*, pages 727–739. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[55] Shmuel Safra and Oded Schwartz. On the complexity of approximating tsp with neighborhoods and related problems. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 446–458. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[56] Piotr Sankowski. Multisampling: A new approach to uniform sampling and approximate counting. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 740–751. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[57] Meinolf Sellmann, Norbert Sensen, and Larissa Timajev. Multicommodity flow approximation used for exact graph partitioning. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 752–764. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[58] Jiří Sgall and Gerhard J. Woeginger. A lower bound for cake cutting. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 459–469. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[59] Micha Sharir and Hayim Shaul. Ray shooting and stone throwing. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 470–481. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[60] Aleksandrs Slivkins. Parameterized tractability of edge-disjoint paths on directed acyclic graphs. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 482–493. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[61] Hisao Tamaki. A linear time heuristic for the branch-decomposition of planar graphs. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 765–775. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[62] Roberto Tamassia. Authenticated data structures. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 2–5. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[63] Éva Tardos. Approximation algorithms and network games. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 6–6. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[64] Csaba D. Tóth. Binary space partition for orthogonal fat rectangles. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 494–505. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[65] Dekel Tsur. Sequencing by hybridization in few rounds. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 506–516. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[66] Dorothea Wagner and Thomas Willhalm. Geometric speed-up techniques for finding shortest paths in large sparse graphs. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 776–787. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[67] Biing-Feng Wang, Yong-Hsian Hsieh, and Li-Pu Yeh. Efficient algorithms for the ring loading problem with demand splitting. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 517–526. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[68] Gerhard J. Woeginger. Seventeen lines and one-hundred-and-one points. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 527–531. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

[69] Nicola Wolpert. Jacobi curves: Computing the exact topology of arrangements of non-singular algebraic curves. In Giuseppe Di Battista and Uri Zwick, editors, *Proceedings of the 11th Annual European Symposium on Algorithms, ESA'2003 (Budapest, Hungary, September 16-19, 2003)*, volume 2832 of *LNCS*, pages 532–543. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.