

## References

- [1] Dimitris Achlioptas, Marek Chrobak, and John Noga. Competitive analysis of randomized paging algorithms. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA '96 (Barcelona, Spain, September 25-27, 1996)*, volume 1136 of *LNCS*, pages 419–430. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.
- [2] Noga Alon, János Csirik, Sergey V. Sevastianov, Arjen P.A. Vestjens, and Gerhard J. Woeginger. On-line and off-line algorithms for vector covering. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA '96 (Barcelona, Spain, September 25-27, 1996)*, volume 1136 of *LNCS*, pages 406–418. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.
- [3] Helmut Alt, Ulrich Fuchs, Günter Rote, and Gerald Weber. Matching convex shapes with respect to the symmetric difference. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA '96 (Barcelona, Spain, September 25-27, 1996)*, volume 1136 of *LNCS*, pages 320–333. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.
- [4] Srinivasa Arikati, Danny Z. Chen, L. Paul Chew, Gautiam Das, Michiel Smid, and Christos D. Zaroliagis. Planar spanners and approximate shortest path queries among obstacles in the plane. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA '96 (Barcelona, Spain, September 25-27, 1996)*, volume 1136 of *LNCS*, pages 514–528. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.
- [5] Esther M. Arkin, Yi-Jen Chiang, Martin Held, Joseph S.B. Mitchell, Vera Sacristan, Steven S. Skiena, and Tae-Cheon Yang. On minimum-area hulls. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA '96 (Barcelona, Spain,*

- September 25-27, 1996*), volume 1136 of *LNCS*, pages 334–348. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.
- [6] Vincenao Auletta, Domenico Parente, and Pino Persiano. A new approach to optimal planning of robot motion on a tree with obstacles. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA '96 (Barcelona, Spain, September 25-27, 1996)*, volume 1136 of *LNCS*, pages 529–545. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.
- [7] Baruch Awerbuch, Yossi Azar, Amos Fiat, Stefano Leonardi, and Adi Rosén. On-line competitive algorithms for call admission in optical networks. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA '96 (Barcelona, Spain, September 25-27, 1996)*, volume 1136 of *LNCS*, pages 431–444. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.
- [8] Julien Basch, Leonidas J. Guibas, and G.D. Ramkumar. Reporting red-blue intersections between two sets of connected line segments. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA '96 (Barcelona, Spain, September 25-27, 1996)*, volume 1136 of *LNCS*, pages 302–319. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.
- [9] Ishai Ben-Aroya, Donald D. Chinn, and Assaf Schuster. A lower bound for nearly minimal adaptive and hot potato algorithms. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA '96 (Barcelona, Spain, September 25-27, 1996)*, volume 1136 of *LNCS*, pages 471–485. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.
- [10] Hans L. Bodlaender and Babette de Fluiter. Parallel algorithms for series parallel graphs. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA '96*

- (*Barcelona, Spain, September 25-27, 1996*), volume 1136 of *LNCS*, pages 277–289. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.
- [11] Danny Z. Chen, Wei Chen, Koichi Wada, and Kimio Kawaguchi. Parallel algorithms for partitioning sorted sets and related problems. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA'96 (Barcelona, Spain, September 25-27, 1996)*, volume 1136 of *LNCS*, pages 234–245. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.
- [12] Boris V. Cherkassky and Andrew V. Goldberg. Negative cycle detection algorithms. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA'96 (Barcelona, Spain, September 25-27, 1996)*, volume 1136 of *LNCS*, pages 349–363. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.
- [13] George Christopher, Martin Farach, and Michael A. Trick. The structure of circular decomposable metrics. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA'96 (Barcelona, Spain, September 25-27, 1996)*, volume 1136 of *LNCS*, pages 486–500. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.
- [14] Artur Czumaj, Przemysława Kanarek, Mirosław Kutylowski, and Krzysztof Loryś. Fast generation of random permutations via networks simulation. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA'96 (Barcelona, Spain, September 25-27, 1996)*, volume 1136 of *LNCS*, pages 246–260. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.
- [15] Anders Dessmark, Andrzej Lingas, and Andrzej Proskurowski. Faster algorithms for subgraph isomorphism of  $\kappa$ -connected partial  $\kappa$ -trees. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA'96 (Barcelona, Spain,*

- September 25-27, 1996*), volume 1136 of *LNCS*, pages 501–513. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.
- [16] Paolo Ferragina and Fabrizio Luccio. On the parallel dynamic dictionary matching problem: New results with applications. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA'96 (Barcelona, Spain, September 25-27, 1996)*, volume 1136 of *LNCS*, pages 261–275. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.
- [17] Paolo Ferragina and S. Muthukrishnan. Efficient dynamic method-lookup for object oriented languages. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA'96 (Barcelona, Spain, September 25-27, 1996)*, volume 1136 of *LNCS*, pages 107–120. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.
- [18] Alan Frieze and Wojciech Szpankowski. Greedy algorithms for the shortest common superstring that are asymptotically optimal. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA'96 (Barcelona, Spain, September 25-27, 1996)*, volume 1136 of *LNCS*, pages 194–207. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.
- [19] Toshihiro Fujito. A unified local ratio approximation of node-deletion problems. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA'96 (Barcelona, Spain, September 25-27, 1996)*, volume 1136 of *LNCS*, pages 167–178. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.
- [20] Ashim Garg, Roberto Tamassia, and Paola Vocca. Drawing with colors. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA'96 (Barcelona, Spain,*

- September 25-27, 1996*), volume 1136 of *LNCS*, pages 12–26. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.
- [21] Jordan Gergov. Approximation algorithms for dynamic storage allocation. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA '96 (Barcelona, Spain, September 25-27, 1996)*, volume 1136 of *LNCS*, pages 52–61. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.
- [22] Sudipto Guha and Samir Khuller. Approximation algorithms for connected dominating sets. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA '96 (Barcelona, Spain, September 25-27, 1996)*, volume 1136 of *LNCS*, pages 179–193. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.
- [23] Ralf Heckmann and Thomas Lengauer. Computing upper and lower bounds on textile nesting problems. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA '96 (Barcelona, Spain, September 25-27, 1996)*, volume 1136 of *LNCS*, pages 392–405. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.
- [24] Christos Kaklamanis and Pino Persiano. Efficient wavelength routing on directed fiber trees. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA '96 (Barcelona, Spain, September 25-27, 1996)*, volume 1136 of *LNCS*, pages 460–470. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.
- [25] Juha Kärkkäinen and Erkki Sutinen. Lempel-ziv index for  $q$ -grams. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA '96 (Barcelona, Spain,*

- September 25-27, 1996*), volume 1136 of *LNCS*, pages 378–391. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.
- [26] Samir Khuller and Yoram J. Sussmann. The capacitated  $k$ -center problem. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA '96 (Barcelona, Spain, September 25-27, 1996)*, volume 1136 of *LNCS*, pages 152–166. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.
- [27] Lefteris M. Kirousis, Evangelos Kranakis, and Danny Krizanc. Approximating the unsatisfiability threshold of random formulas. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA '96 (Barcelona, Spain, September 25-27, 1996)*, volume 1136 of *LNCS*, pages 27–38. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.
- [28] Philip N. Klein, Hsueh-I. Lu, and Robert H.B. Netzer. Race-condition detection in parallel computation with semaphores. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA '96 (Barcelona, Spain, September 25-27, 1996)*, volume 1136 of *LNCS*, pages 445–459. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.
- [29] Mauro Leoncini, Giovanni Manzini, and Luciano Margara. Parallel complexity of householder  $qr$  factorization. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA '96 (Barcelona, Spain, September 25-27, 1996)*, volume 1136 of *LNCS*, pages 290–301. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.
- [30] Alejandro López-Ortiz and Sven Schuierer. Generalized streets revisited. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA '96 (Barcelona, Spain,*

September 25-27, 1996), volume 1136 of *LNCS*, pages 546–558. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.

- [31] Rolf H. Möhring, Markus W. Schäffter, and Andreas S. Schulz. Scheduling jobs with communication delays: Using infeasible solutions for approximation. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA '96 (Barcelona, Spain, September 25-27, 1996)*, volume 1136 of *LNCS*, pages 76–90. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.
- [32] Andreas Nolte and Rainer Schrader. Simulated annealing and its problems to color graphs. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA '96 (Barcelona, Spain, September 25-27, 1996)*, volume 1136 of *LNCS*, pages 138–151. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.
- [33] Christos Papadimitriou. Computational aspects of organization theory. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA '96 (Barcelona, Spain, September 25-27, 1996)*, volume 1136 of *LNCS*, pages 559–564. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.
- [34] Rajeev Raman. Priority queues: Small, monotone and trans-dichotomous. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA '96 (Barcelona, Spain, September 25-27, 1996)*, volume 1136 of *LNCS*, pages 121–137. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.
- [35] Salvador Roura and Conrado Martínez. Randomization of search trees by subtree size. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA '96 (Barcelona, Spain, September 25-27, 1996)*, volume 1136 of *LNCS*, pages

- 91–106. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.
- [36] Uwe Schwiegelshohn. Preemptive weighted completion time scheduling of parallel jobs. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA'96 (Barcelona, Spain, September 25-27, 1996)*, volume 1136 of *LNCS*, pages 39–51. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.
- [37] Robert Sedgewick. Analysis of shellsort and related algorithms. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA'96 (Barcelona, Spain, September 25-27, 1996)*, volume 1136 of *LNCS*, pages 1–11. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.
- [38] Luca Trevisan. Positive linear programming, parallel approximation and pcp's. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA'96 (Barcelona, Spain, September 25-27, 1996)*, volume 1136 of *LNCS*, pages 62–75. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.
- [39] Tatsue Tsukiji and Fatos Xhafa. On the depth of randomly generated circuits. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA'96 (Barcelona, Spain, September 25-27, 1996)*, volume 1136 of *LNCS*, pages 208–220. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.
- [40] Alfredo Viola and Patricio V. Poblete. The analysis of linear probing hashing with buckets. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA'96 (Barcelona, Spain, September 25-27, 1996)*, volume 1136 of *LNCS*, pages 221–233. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.



- [41] Bruce W. Watson. A new regular grammar pattern matching algorithm. In Josep Diaz and Maria Serna, editors, *Proceedings of the 4th Annual European Symposium on Algorithms, ESA '96 (Barcelona, Spain, September 25-27, 1996)*, volume 1136 of *LNCS*, pages 364–377. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1996.