References

[1] Kurt M. Anstreicher, Marcia Fampa, Jon Lee, and Joy Williams. Continuous relaxations for constrained maximum-entropy sampling. In William H. Cunningham, S. Thomas McCormick, and Maurice Queyranne, editors, *Proceedings of the 5th International Conference on Integer Programming and Combinatorial Optimization, IPCO'96 (Vancouver, British Columbia, Canada, June 3-5, 1996)*, volume 1084 of *LNCS*, pages 234–248. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.

[2] Imre Bárány and Shmuel Onn. Colourful linear programming. In William H. Cunningham, S. Thomas McCormick, and Maurice Queyranne, editors, *Proceedings of the 5th International Conference on Integer Programming and Combinatorial Optimization, IPCO'96 (Vancouver, British Columbia, Canada, June 3-5, 1996)*, volume 1084 of *LNCS*, pages 1–15. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.

[3] Cynthia Barnhart, Christopher A. Hane, and Pamela H. Vance. Integer multicommodity flow problems. In William H. Cunningham, S. Thomas McCormick, and Maurice Queyranne, editors, *Proceedings of the 5th International Conference on Integer Programming and Combinatorial Optimization, IPCO'96 (Vancouver, British Columbia, Canada, June 3-5, 1996)*, volume 1084 of *LNCS*, pages 58–71. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.

[4] Dimitris Bertsimas, Chung-Piaw Teo, and Rakesh Vohra. On dependent randomized rounding algorithms. In William H. Cunningham, S. Thomas McCormick, and Maurice Queyranne, editors, *Proceedings of the 5th International Conference on Integer Programming and Combinatorial Optimization, IPCO'96 (Vancouver, British Columbia, Canada, June 3-5, 1996)*, volume 1084 of *LNCS*, pages 330–344. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.

[5] Rainer E. Burkard, Eranda Çela, Günther Rote, and Gerhard J. Woeginger. The quadratic assignment problem with a monotone anti-monge

and a symmetric toeplitz matrix: Easy and hard cases. In William H. Cunningham, S. Thomas McCormick, and Maurice Queyranne, editors, *Proceedings of the 5th International Conference on Integer Programming and Combinatorial Optimization, IPCO'96 (Vancouver, British Columbia, Canada, June 3-5, 1996)*, volume 1084 of *LNCS*, pages 204–218. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.

[6] Rainer E. Burkard, Vladimir G. Deĭneko, and Gerhard J. Woeginger. The travelling salesman and the *pq*-tree. In William H. Cunningham, S. Thomas McCormick, and Maurice Queyranne, editors, *Proceedings of the 5th International Conference on Integer Programming and Combinatorial Optimization, IPCO'96 (Vancouver, British Columbia, Canada, June 3-5, 1996)*, volume 1084 of *LNCS*, pages 490–504. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.

[7] Alberto Caprara, Matteo Fischetti, and Paolo Toth. A heuristic algorithm for the set covering problem. In William H. Cunningham, S. Thomas McCormick, and Maurice Queyranne, editors, *Proceedings of the 5th International Conference on Integer Programming and Combinatorial Optimization, IPCO'96 (Vancouver, British Columbia, Canada, June 3-5, 1996)*, volume 1084 of *LNCS*, pages 72–84. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.

[8] Robert Carr. Separating over classes of tsp inequalities defined by 0 node-lifting in polynomial time. In William H. Cunningham, S. Thomas McCormick, and Maurice Queyranne, editors, *Proceedings of the 5th International Conference on Integer Programming and Combinatorial Optimization, IPCO'96 (Vancouver, British Columbia, Canada, June 3-5, 1996)*, volume 1084 of *LNCS*, pages 460–474. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.

[9] Hui Chen and Alan Frieze. Coloring bipartite hypergraphs. In William H. Cunningham, S. Thomas McCormick, and Maurice Queyranne, editors, *Proceedings of the 5th International Conference on*

Integer Programming and Combinatorial Optimization, IPCO'96 (Vancouver, British Columbia, Canada, June 3-5, 1996), volume 1084 of *LNCS*, pages 345–358. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.

[10] Sunil Chopra, Itzhak Gilboa, and S. Trilochan Sastry. Algorithms and extended formulations for one and two facility network design. In William H. Cunningham, S. Thomas McCormick, and Maurice Queyranne, editors, *Proceedings of the 5th International Conference on Integer Programming and Combinatorial Optimization, IPCO'96 (Vancouver, British Columbia, Canada, June 3-5, 1996)*, volume 1084 of *LNCS*, pages 44–57. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.

[11] Edith Cohen. On optimizing multiplications of sparse matrices. In William H. Cunningham, S. Thomas McCormick, and Maurice Queyranne, editors, *Proceedings of the 5th International Conference on Integer Programming and Combinatorial Optimization, IPCO'96 (Vancouver, British Columbia, Canada, June 3-5, 1996)*, volume 1084 of *LNCS*, pages 219–233. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.

[12] Sándor P. Fekete, Samir Khuller, Monika Klemmstein, Balaji Raghavachari, and Neal Young. A network-flow technique for finding low-weight bounded-degree spanning trees. In William H. Cunningham, S. Thomas McCormick, and Maurice Queyranne, editors, *Proceedings of the 5th International Conference on Integer Programming and Combinatorial Optimization, IPCO'96 (Vancouver, British Columbia, Canada, June 3-5, 1996)*, volume 1084 of *LNCS*, pages 105–117. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.

[13] Lisa Fleischer and Éva Tardos. Separating maximally violated comb inequalities in planar graphs. In William H. Cunningham, S. Thomas McCormick, and Maurice Queyranne, editors, *Proceedings of the 5th International Conference on Integer Programming and Combinatorial Optimization, IPCO'96 (Vancouver, British Columbia, Canada, June 3-5, 1996)*, volume 1084 of *LNCS*, pages 475–489. Springer-

Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.

[14] Meinrad Funke and Gerhard Reinelt. A polyhedral approach to the feedback vertex set problem. In William H. Cunningham, S. Thomas McCormick, and Maurice Queyranne, editors, *Proceedings of the 5th International Conference on Integer Programming and Combinatorial Optimization, IPCO'96 (Vancouver, British Columbia, Canada, June 3-5, 1996)*, volume 1084 of *LNCS*, pages 445–459. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.

[15] Michel X. Goemans and Leslie A. Hall. The strongest facets of the acyclic subgraph polytope are unknown. In William H. Cunningham, S. Thomas McCormick, and Maurice Queyranne, editors, *Proceedings of the 5th International Conference on Integer Programming and Combinatorial Optimization, IPCO'96 (Vancouver, British Columbia, Canada, June 3-5, 1996)*, volume 1084 of *LNCS*, pages 415–429. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.

[16] Michel X. Goemans and David P. Williamson. Primal-dual approximation algorithms for feedback problems in planar graphs. In William H. Cunningham, S. Thomas McCormick, and Maurice Queyranne, editors, *Proceedings of the 5th International Conference on Integer Programming and Combinatorial Optimization, IPCO'96 (Vancouver, British Columbia, Canada, June 3-5, 1996)*, volume 1084 of *LNCS*, pages 147–161. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.

[17] Michel Goemans X. A supermodular relaxation for scheduling with release dates. In William H. Cunningham, S. Thomas McCormick, and Maurice Queyranne, editors, *Proceedings of the 5th International Conference on Integer Programming and Combinatorial Optimization, IPCO'96 (Vancouver, British Columbia, Canada, June 3-5, 1996)*, volume 1084 of *LNCS*, pages 288–300. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.

[18] Magnús M. Halldórsson. Approximating k-set cover and complementary graph coloring. In William H. Cunningham, S. Thomas McCormick,

and Maurice Queyranne, editors, *Proceedings of the 5th International Conference on Integer Programming and Combinatorial Optimization, IPCO'96 (Vancouver, British Columbia, Canada, June 3-5, 1996)*, volume 1084 of *LNCS*, pages 118–131. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.

[19] David Hartvigsen. A submodular optimization problem with side constraints. In William H. Cunningham, S. Thomas McCormick, and Maurice Queyranne, editors, *Proceedings of the 5th International Conference on Integer Programming and Combinatorial Optimization, IPCO'96 (Vancouver, British Columbia, Canada, June 3-5, 1996)*, volume 1084 of *LNCS*, pages 249–259. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.

[20] C. Helmberg, F. Rendl, and R. Weismantel. Quadratic knapsack relaxations using cutting planes and semidefinite programming. In William H. Cunningham, S. Thomas McCormick, and Maurice Queyranne, editors, *Proceedings of the 5th International Conference on Integer Programming and Combinatorial Optimization, IPCO'96 (Vancouver, British Columbia, Canada, June 3-5, 1996)*, volume 1084 of *LNCS*, pages 175–189. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.

[21] Han Hoogeveen and Tsuyoshi Kawaguchi. Minimizing total completion time in a two-machine flowshop: Analysis of special cases. In William H. Cunningham, S. Thomas McCormick, and Maurice Queyranne, editors, *Proceedings of the 5th International Conference on Integer Programming and Combinatorial Optimization, IPCO'96 (Vancouver, British Columbia, Canada, June 3-5, 1996)*, volume 1084 of *LNCS*, pages 374–388. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.

[22] J.A. Hoogeveen and A.P.A. Vestjens. Optimal on-line algorithms for single-machine scheduling. In William H. Cunningham, S. Thomas McCormick, and Maurice Queyranne, editors, *Proceedings of the 5th International Conference on Integer Programming and Combinatorial Optimization, IPCO'96 (Vancouver, British Columbia, Canada, June 3-5, 1996)*, volume 1084 of *LNCS*, pages 404–414. Springer-

Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.

[23] Nabil Kahale. A semidefinite bound for mixing rates of markov chains. In William H. Cunningham, S. Thomas McCormick, and Maurice Queyranne, editors, *Proceedings of the 5th International Conference on Integer Programming and Combinatorial Optimization, IPCO'96 (Vancouver, British Columbia, Canada, June 3-5, 1996)*, volume 1084 of *LNCS*, pages 190–203. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.

[24] Sanjiv Kapoor. On minimum 3-cuts and approximating k-cuts using cut trees. In William H. Cunningham, S. Thomas McCormick, and Maurice Queyranne, editors, *Proceedings of the 5th International Conference on Integer Programming and Combinatorial Optimization, IPCO'96 (Vancouver, British Columbia, Canada, June 3-5, 1996)*, volume 1084 of *LNCS*, pages 132–146. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.

[25] Stavros G. Kolliopoulos and Clifford Stein. Finding real-valued single-source shortest paths in $o(n^3)$ expected time. In William H. Cunningham, S. Thomas McCormick, and Maurice Queyranne, editors, *Proceedings of the 5th International Conference on Integer Programming and Combinatorial Optimization, IPCO'96 (Vancouver, British Columbia, Canada, June 3-5, 1996)*, volume 1084 of *LNCS*, pages 94–104. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.

[26] Paul Martin and David B. Shmoys. A new approach to computing optimal schedules for the job-shop scheduling problem. In William H. Cunningham, S. Thomas McCormick, and Maurice Queyranne, editors, *Proceedings of the 5th International Conference on Integer Programming and Combinatorial Optimization, IPCO'96 (Vancouver, British Columbia, Canada, June 3-5, 1996)*, volume 1084 of *LNCS*, pages 389–403. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.

[27] Rudolf Müller and Andreas S. Schulz. Transitive packing. In William H. Cunningham, S. Thomas McCormick, and Maurice Queyranne, editors,

Proceedings of the 5th International Conference on Integer Programming and Combinatorial Optimization, IPCO'96 (Vancouver, British Columbia, Canada, June 3-5, 1996), volume 1084 of *LNCS*, pages 430–444. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.

[28] Kazuo Murota. Convexity and steinitz's exchange property. In William H. Cunningham, S. Thomas McCormick, and Maurice Queyranne, editors, *Proceedings of the 5th International Conference on Integer Programming and Combinatorial Optimization, IPCO'96 (Vancouver, British Columbia, Canada, June 3-5, 1996)*, volume 1084 of *LNCS*, pages 260–274. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.

[29] Beth Novick and András Sebő. On ideal clutters, metrics and multiflows. In William H. Cunningham, S. Thomas McCormick, and Maurice Queyranne, editors, *Proceedings of the 5th International Conference on Integer Programming and Combinatorial Optimization, IPCO'96 (Vancouver, British Columbia, Canada, June 3-5, 1996)*, volume 1084 of *LNCS*, pages 275–287. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.

[30] Gábor Pataki. Cone-lp's and semidefinite programs: Geometry and a simplex-type method. In William H. Cunningham, S. Thomas McCormick, and Maurice Queyranne, editors, *Proceedings of the 5th International Conference on Integer Programming and Combinatorial Optimization, IPCO'96 (Vancouver, British Columbia, Canada, June 3-5, 1996)*, volume 1084 of *LNCS*, pages 162–174. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.

[31] Carsten Rössner and Claus P. Schnorr. An optimal, stable continued fraction algorithm for arbitrary dimension. In William H. Cunningham, S. Thomas McCormick, and Maurice Queyranne, editors, *Proceedings of the 5th International Conference on Integer Programming and Combinatorial Optimization, IPCO'96 (Vancouver, British Columbia, Canada, June 3-5, 1996)*, volume 1084 of *LNCS*, pages 31–43. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.

[32] Andreas S. Schulz. Scheduling to minimize total weighted completion time: Performance guarantees of *lp*-based heuristics and lower bounds. In William H. Cunningham, S. Thomas McCormick, and Maurice Queyranne, editors, *Proceedings of the 5th International Conference on Integer Programming and Combinatorial Optimization, IPCO'96 (Vancouver, British Columbia, Canada, June 3-5, 1996)*, volume 1084 of *LNCS*, pages 301–315. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.

[33] Neil Simonetti and Egon Balas. Implementation of a linear time algorithm for certain generalized traveling salesman problems. In William H. Cunningham, S. Thomas McCormick, and Maurice Queyranne, editors, *Proceedings of the 5th International Conference on Integer Programming and Combinatorial Optimization, IPCO'96 (Vancouver, British Columbia, Canada, June 3-5, 1996)*, volume 1084 of *LNCS*, pages 316–329. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.

[34] Chung-Piaw Teo and Dimitris Bertsimas. Improved randomized approximation algorithms for lot-sizing problems. In William H. Cunningham, S. Thomas McCormick, and Maurice Queyranne, editors, *Proceedings of the 5th International Conference on Integer Programming and Combinatorial Optimization, IPCO'96 (Vancouver, British Columbia, Canada, June 3-5, 1996)*, volume 1084 of *LNCS*, pages 359–373. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.

[35] Rekha R. Thomas and Robert Weismantel. Test sets and inequalities for integer programs. In William H. Cunningham, S. Thomas McCormick, and Maurice Queyranne, editors, *Proceedings of the 5th International Conference on Integer Programming and Combinatorial Optimization, IPCO'96 (Vancouver, British Columbia, Canada, June 3-5, 1996)*, volume 1084 of *LNCS*, pages 16–30. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.

[36] Paul Tseng and Dimitri P. Bertsekas. An ϵ-relaxation method for generalized separable convex cost network flow problems. In William H. Cunningham, S. Thomas McCormick, and Maurice Queyranne, editors,

Proceedings of the 5th International Conference on Integer Programming and Combinatorial Optimization, IPCO'96 (Vancouver, British Columbia, Canada, June 3-5, 1996), volume 1084 of *LNCS*, pages 85–93. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1996.