

ALGO 2010
ATMOS/WAOA schedule
THURSDAY 9 Sept 2010

8:30 - 9:00	Morning coffee	
9:00 - 9:50	Invited talk: Alberto Caprara (ATMOS) <i>Chair: Marco Lübbecke</i> (Meeting Room MR 6 & 7) Almost 20 Years of Combinatorial Optimization for Railway Planning: From Lagrangian Relaxation to Column Generation	
10:00 - 10:20	Coffee break	
10:20 - 12:00	Session A1 (ATMOS) <i>Chair: Alberto Marchetti-Spaccamela</i> (MR 4 & 5)	Session W1 (WAOA) <i>Chair: Roberto Solis-Oba</i> (MR 6 & 7)
	Engineering Time-Dependent Many-to-Many Shortest Paths Computation R. Geisberger and P. Sanders	An FPTAS for Flows over Time with Aggregate Arc Capacities D. Dressler and M. Skutella
	Fast Detour Computation for Ride Sharing D. Luxen, P. Sanders, R. Geisberger, S. Neubauer and L. Volker	Throughput Maximization for Periodic Packet Routing on Trees and Grids B. Peis and A. Wiese
	An Empirical Analysis of Robustness Concepts for Timetabling M. Goerigk and A. Schöbel	Densest k-Subgraph Approximation on Intersection Graphs D.Z. Chen, R. Fleischer and J. Li
	Robust Train Routing and Online Re-scheduling A. Caprara, L. Galli, L. Kroon, G. Maroti and P. Toth	Approximating Directed Buy-at-bulk Network Design S. Antonakopoulos
12:00 - 13:30	Lunch	
13:30 - 15:10	Session A2 (ATMOS) <i>Chair: Thomas Erlebach</i> (MR 4 & 5)	Session W2 (WAOA) <i>Chair: Piotr Krysta</i> (MR 6 & 7)
	Vertex Disjoint Paths for Dispatching in Railways H. Flier, M. Mihalak, A. Schöbel, P. Widmayer and A. Zych	An improved algorithm for online rectangle filling R. van Stee
	Heuristics for the Traveling Repairman Problem with Profits T. Dewilde, D. Catrysse, S. Coene, F. Spieksma and P. Vansteenwegen	List Factoring and Relative Worst Order Analysis M.R. Ehmsen, J.S. Kohrt and K.S. Larsen
	The complexity of integrating routing decisions in public transportation models M. Schmidt and A. Schöbel	Online Tracking of the Dominance Relationship of Distributed Multi-dimensional Data T.-W. Lam, C.-M. Liu and H.-F. Ting
	Dynamic Graph Generation and Dynamic Rolling Horizon Techniques in Large Scale Train Timetabling F. Fischer and C. Helmberg	Online Ranking for Tournament Graphs C. Mathieu and A. Vladu
15:10 - 15:30	Coffee break	
15:30 - 17:10	Session A3 (ATMOS) <i>Chair: Marco Lübbecke</i> (MR 4 & 5)	Session W3 (WAOA) <i>Chair: Ulrich Meyer</i> (MR 6 & 7)
	Traffic signal optimization using cyclically expanded networks E. Köhler and M. Strehler	On the approximation complexity hierarchy M. Bordewich
	Railway Track Allocation by Rapid Branching R. Borndörfer, T. Schlechte and S. Weider	Approximate Counting for Complex-Weighted Boolean Constraint Satisfaction Problems T. Yamakami
	Column generation heuristic for a rich arc routing problem S. Lannez, C. Artigues, J. Damay and M. Gendreau	How to Play Unique Games on Expanders K. Makarychev and Y. Makarychev
	The Team Orienteering Problem: Formulations and Branch-Cut and Price M. Poggi, H. Viana and E. Uchoa	Strategic Multiway Cut and Multicut Games E. Anshelevich, B. Caskurlu and A. Hate

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WAOA schedule
FRIDAY 10 Sept 2010

8:30 - 9:00	Morning coffee
9:00 - 9:50	Invited talk: Claire Mathieu (WAOA) <i>Chair: Roberto Solis-Oba (MR 6 & 7)</i> Approximation schemes on planar graphs
10:00 - 10:20	Coffee break
10:20 - 12:00	Session W4 (WAOA) <i>Chair: Thomas Erlebach (MR 6 & 7)</i>
	New Lower Bounds for Certain Bin Packing Algorithms J. Balogh, J. Békési and G. Galambos
	Minimizing Maximum Flowtime of Jobs with Arbitrary Parallelizability K. Pruhs, J. Robert and N. Schabanel
	Tradeoff between Energy and Throughput for Online Deadline Scheduling H.-L. Chan, T.-W. Lam and R. Li
	Approximation algorithms for domination search F.V. Fomin, P. Golovach and D. Thilikos
12:00 - 13:30	Lunch
13:30 - 15:10	Session W5 (WAOA) <i>Chair: Rudolf Fleischer (MR 6 & 7)</i>
	New Models and Algorithms for Throughput Maximization in Broadcast Scheduling C. Chekuri, A. Gal, S. Im, S. Khuller, J. Li, R. McCutchen, B. Moseley and L. Raschid
	Lower bounds for Smith's rule in stochastic machine scheduling C. Jagtenberg, U. Schwiegelshohn and M. Uetz
	A 3/2-approximation algorithm for rate-monotonic multiprocessor scheduling of implicit-deadline tasks A. Karrenbauer and T. Rothvoss
	The Train Delivery Problem - Vehicle Routing Meets Bin Packing A. Das, C. Mathieu and S. Mozes
15:10 - 15:30	Coffee break
15:30 - 16:45	Session W6 (WAOA) <i>Chair: Khaled Elbassioni (MR 6 & 7)</i>
	The Power of Uncertainty: Bundle-Pricing for Unit-Demand Customers P. Briest and H. Röglin
	k-Edge-Connectivity: Approximation and LP Relaxation D. Pritchard
	Approximating Survivable Networks with Minimum Number of Steiner Points L. Kamma and Z. Nutov