

Monday

8:50	Welcome: Marc Uetz, Tjark Vredeveld, Cliff Stein	
9:00	Invited Speaker: Chandra Chekuri <i>Online Broadcast Scheduling: New Perspectives and Results</i>	
9:50	Plenary: Nikhil Bansal, Ho-Leung Chan and Kirk Pruhs <i>Speed Scaling with an Arbitrary Power Function</i>	
10:20	Coffee Break	
11:00	Parallel Sessions	
	Session A	Session B
	Schulz and Uhan <i>Near-Optimal Solutions and Large Integrality Gaps for Almost All Instances of Single-Machine Precedence-Constrained Scheduling</i>	Elvikis , Hamacher and T'Kindt <i>Scheduling two interfering job sets on uniform parallel machines with sum and makespan criteria</i>
	Kordon , Kacem, Dupont de Dinechin and Finta <i>Minimizing the makespan for an interval ordered precedence graph on m processors with communication delays and unit execution time tasks</i>	Urlings and Ruiz <i>A new algorithm for multidimensional scheduling problems</i>
	Koch, Peis, Skutella and Wiese <i>Routing and Scheduling Messages through Communication Networks: Approximation Algorithms and Complexity</i>	Zinder and Walker <i>Scheduling flexible multiprocessor tasks on parallel machines</i>
	Ambühl, Mastrolilli, Mutsanas and Svensson <i>Precedence Constraint Scheduling: Connections to Dimension Theory of Partial Orders and Inapproximability Results</i>	Hanen, Lacomme, Medernach and Sanlaville <i>Two formulations for a grid cyclic scheduling problem</i>
12:30	Lunch	
14:30	Parallel Sessions	
	Session A	Session B
	Goossens, Polyakovskiy, Spiexsma and Woeginger <i>The focus of attention problem</i>	Cucu-Grosjean and Sorel <i>A schedulability test for real-time dependant periodic task systems with latency constraints</i>
	Harren and Van Stee <i>An Absolute 2-Approximation for Rectangle Packing</i>	Gordon and Strusevich <i>Single machine due date assignment and scheduling with positionally dependent processing times</i>
	Hiller and Vredeveld <i>Stochastic dominance analysis of online bin coloring algorithms</i>	Bell and Wong <i>Multiprocessor Speed Scaling for Jobs with Arbitrary Sizes and Deadlines</i>
	Günther, König and Megow <i>The Bin Scheduling Problem</i>	Fung <i>Online Algorithms for Maximizing Weighted Throughput of Unit Jobs with Temperature Constraints</i>
15:50	Coffee Break	
16:20	Plenary: Matthias Englert , Deniz Özmen and Matthias Westermann <i>The Power of Reordering for Online Minimum Makespan Scheduling</i>	
16:50	Short Break & Room Change	
17:00	Parallel Sessions	
	Session A	Session B
	Correa, Skutella and Verschae <i>The power of preemption on unrelated machines and applications to scheduling orders</i>	Chan , Chin, Ting and Zhang <i>Online Tree Node Assignment with Resource Augmentation</i>
	Sitters <i>Minimizing average flow time on unrelated machines</i>	Kern and Paulus <i>On the lower bound for online strip packing</i>
	Höhn, Jacobs and Megow <i>On Eulerian Extension Problems and their Application to Sequencing Problems</i>	Saliba , Krumke, Hiller and Tuchscherer <i>Randomized online algorithms for the dynamic multiperiod routing problem</i>
	Ebenlendr and Sgall <i>Semi-Online Preemptive Scheduling: One Algorithm for All Variants</i>	
19:00	Welcome Reception & Dinner	

Tuesday

9:00	Invited Speaker: Sanjoy K. Baruah <i>Temporal Isolation in Multi-User Real-Time Environments</i>	
9:50	Plenary: M. Mastrolilli, M. Queyranne, A.S. Schulz, O. Svensson and N.A. Uhan <i>Minimizing the sum of weighted completion times in a concurrent open shop</i>	
10:20	Coffee Break	
11:00	Parallel Sessions	
	Session A	Session B
	Edmonds and Pruhs <i>Scalably Scheduling Processes with Arbitrary Speedup Curves</i>	Adineh-Vand, Parandin, Azghadi and Khalilzadeh <i>Solving Multi-Processor Task Scheduling Problem Using a Combinatorial Evolutionary Algorithm</i>
	Han, Lam, Lee, To and Wong <i>Deadline Scheduling and Power Management for Speed Bounded Processors</i>	Van den Akker, Hoogeveen and Kammer <i>Simulated annealing with commonalities for the job shop scheduling problem</i>
	Greiner, Nonner and Souza <i>The Bell is Ringing in Speed-Scaled Multiprocessor Scheduling</i>	Bougeret , Dutot and Trystram <i>The guess approximation technique and its application to the Discrete Resource Sharing Scheduling Problem</i>
	Coene , Woeginger and Spieksma <i>Charlemagne's challenge: the periodic latency problem</i>	Piana and Engell <i>Evolutionary Scheduling in Pipeless Chemical Batch Plants on the Basis of a Simulation and Approximation Mode</i>
12:30	Lunch	
14:30	Parallel Sessions	
	Session A	Session B
	Bonifaci, Marchetti-Spaccamela and Stiller <i>A $(2 - \frac{1}{m})$-approximate feasibility test for sporadic multiprocessor real-time scheduling</i>	Kozan <i>A Robust Reactive Scheduling Model for Intensive Care Units</i>
	Fisher and Dewan <i>Minimum Capacity Allocation for EDF-Scheduled Recurring Tasks upon a Periodic Resource</i>	Kis and Kovács <i>On bilevel machine scheduling problems</i>
	Dürr, Jež and Nguyen <i>Online Scheduling of Bounded Length Jobs to Maximize Throughput</i>	Shioura, Shakhlevich and Strusevich <i>A divide-and-conquer algorithm for polymatroidal formulation of scheduling with controllable processing times</i>
	Fung, Poon and Zheng <i>Improved Randomized Online Scheduling of Intervals and Jobs</i>	Ásgeirsson, Carpenter, Leemis, Phillips , Phillips and Stein <i>Managing Magnetic Resonance Imaging Machines: Optimal Purchases and Schedules</i>
15:50	Coffee Break	
16:20	Plenary: Monaldo Mastrolilli and Ola Svensson <i>(Acyclic) Job Shops are Hard to Approximate</i>	
16:50	Short Break & Room Change	
17:00	Parallel Sessions	
	Session A	Session B
	Karakostas, Kolliopoulos and Wang <i>An FPTAS for the minimum total weighted tardiness problem with a fixed number of distinct due dates</i>	Hemig and Zimmermann <i>Integrated Production and Staff Planning in the Automotive Industry</i>
	Chang, Erlebach , Gailis and Khuller <i>Broadcast Scheduling: Algorithms and Complexity</i>	Pawlak and Kimms <i>Workers assignment in the assembly line balancing problem</i>
	Hansen and Krumke <i>The complexity of integrating timetabling and vehicle scheduling</i>	Ásgeirsson <i>Staff Scheduling with Partial Schedules from Employees</i>
	Eggermont , Firat, Hurkens and Modelski <i>Disruption Management for Commercial Aviation, ROADEF 2009 Challenge</i>	Firat and Hurkens <i>Constructing Stable Schedules of Tasks with Skill Requirements</i>
19:00	Dinner	

Wednesday

9:00	Invited Speaker: Friedrich Eisenbrand <i>Real-time Scheduling: Approximation Algorithms and Hardness Results</i>	
9:50	Plenary: Chris N. Potts and Vitaly A. Strusevich <i>Fifty Years of Scheduling: A Survey of Milestones</i>	
10:40	Coffee Break	
11:20	Parallel Sessions	
	Session A	Session B
	Koufogiannakis and Young <i>Beating simplex for fractional packing and covering linear programs</i>	Shioura, Shakhlevich and Strusevich <i>A divide-and-conquer algorithm for polymatroidal formulation of scheduling with controllable processing times: Applications</i>
	Sherman , Nieh and Stein <i>Fair Distributed Scheduling Algorithm for a P2P System</i>	Blaschek, Fishkin , Feigl, Heller, Lebersorger, Müller and Scheidl <i>On Solving Scheduling Problems by Using OptLets</i>
12:00	Lunch	
14:00	Social Event	
18:30	Conference Dinner in ‘La Caverne De Geulhem’	

Thursday

9:00	Invited Speaker: Tim Roughgarden <i>Scheduling in Algorithmic Game Theory</i>	
9:50	Plenary: Nikhil Bansal and Subhash Khot <i>On hardness of minimizing weighted completion time with precedence constraints</i>	
10:20	Coffee Break	
11:00	Parallel Sessions	
	Session A	Session B
	Mastrolilli, Mutsanas and Svensson <i>Approximating Single Machine Scheduling with Scenarios</i>	Bianco and Caramia <i>The Resource Constraints Project Scheduling Problem with Feeding Precedence Relations: A Lower Bound</i>
	Baptiste <i>Scheduling Identical Coupled Tasks in Constant Time (almost)</i>	Ebenlendr and Sgall <i>A lower bound for scheduling of unit jobs with immediate decision on parallel machines</i>
	Zajícěk , Sgall and Ebenlendr <i>Scheduling Parallel Jobs on Hypercubes</i>	Pessan , Haouari and Néron <i>Energetic reasoning and production resetting optimization</i>
	Van den Akker , Hoogeveen and Diepen <i>More Efficient Algorithms for Resource Constrained Project Scheduling Problems</i>	Briskorn , Choi, Lee, Leung and Pinedo <i>Single machine scheduling with regard to inventory constraints</i>
12:30	Lunch	
14:30	Parallel Sessions	
	Session A	Session B
	Dürr and Nguyen <i>Non-Clairvoyant Scheduling Games</i>	Kovalyov and Pesch <i>A generic approach to proving NP-hardness of partition type scheduling and other combinatorial problems</i>
	Marchetti-Spaccamela, Megow, Skutella and Stougie <i>Price of robustness in single machine scheduling</i>	Munier-Kordon and Rebaine <i>Scheduling coupled unit-time operations on identical parallel machines</i>
	Thielen <i>Generalized Truthful Mechanisms for Scheduling Verifiable Related Machines</i>	Van den Broek and Hurkens <i>A branch and bound algorithm for job shops with no-wait and blocking precedence constraints</i>
	Epstein, Kleiman and Van Stee <i>Maximizing the Minimum Load: The Cost of Selfishness</i>	Sotelo Pinheiro da Silva and Poggi <i>A Linear-time Approximation Algorithm for Permutation Flow Shop Scheduling Problem</i>
15:50	Coffee Break	
16:20	Plenary: Tomáš Ebenlendr, Marek Krčál and Jiří Sgall <i>Graph Balancing: A Special Case of Scheduling Unrelated Parallel Machines</i>	
16:50	Short Break & Room Change	
17:00	Parallel Sessions	
	Session A	Session B
	Horbach and Briskorn <i>An exact method for Scheduling Real World Sports Leagues</i>	Balogh, Békési, Galambos and Krész <i>Model and Algorithm for a Vehicle Scheduling Problem with Refueling</i>
	Höhn, König, Lübbecke and Möhring <i>Scheduling in Coil Coating with Shuttles</i>	Grigoriev and Kononov <i>How to price parallel machines to maximize the revenue</i>
	Hiller, Klug and Tuchscherer <i>Improving the performance of elevator systems using exact reoptimization algorithms</i>	Brouwer, Post and Woeginger <i>Tight bounds for break minimization in tournament scheduling</i>
	Henzinger, Radovanovic and Stein <i>Scheduling a Large Datacenter</i>	Rutten <i>Scheduling in a complex setting</i>
19:00	Dinner	

Friday

9:30	Invited Speaker: Frits C.R. Spieksma <i>Scheduling a Soccer League</i>	
10:20	Coffee Break	
11:00	Parallel Sessions	
	Session A	Session B
	Kononov, Sevastyanov and Sviridenko <i>Complete Complexity Classification of Short Shop Scheduling</i>	Sterna and Juraszek <i>On-line scheduler for web service for language translation</i>
	Sevastyanov , Lin and Hwang <i>Makespan Minimization in Parallel Flow Shops</i>	Błażewicz, Mahowiak and Oğuz <i>Worst case analysis for berth and quay crane allocation problem</i>
	Chubanov and Pesch <i>An approximation scheme for concave network flow problems</i>	Bley , Boland, Fricke and Froyland <i>Clique-based facets for the precedence constrained knapsack problem</i>
	Alfieri , Glass and Van de Velde <i>Two-machine lotstreaming with setup times</i>	Funk and Meka <i>U-LLREF: An Optimal Scheduling Algorithm for Uniform Multiprocessors</i>
12:30	Lunch	