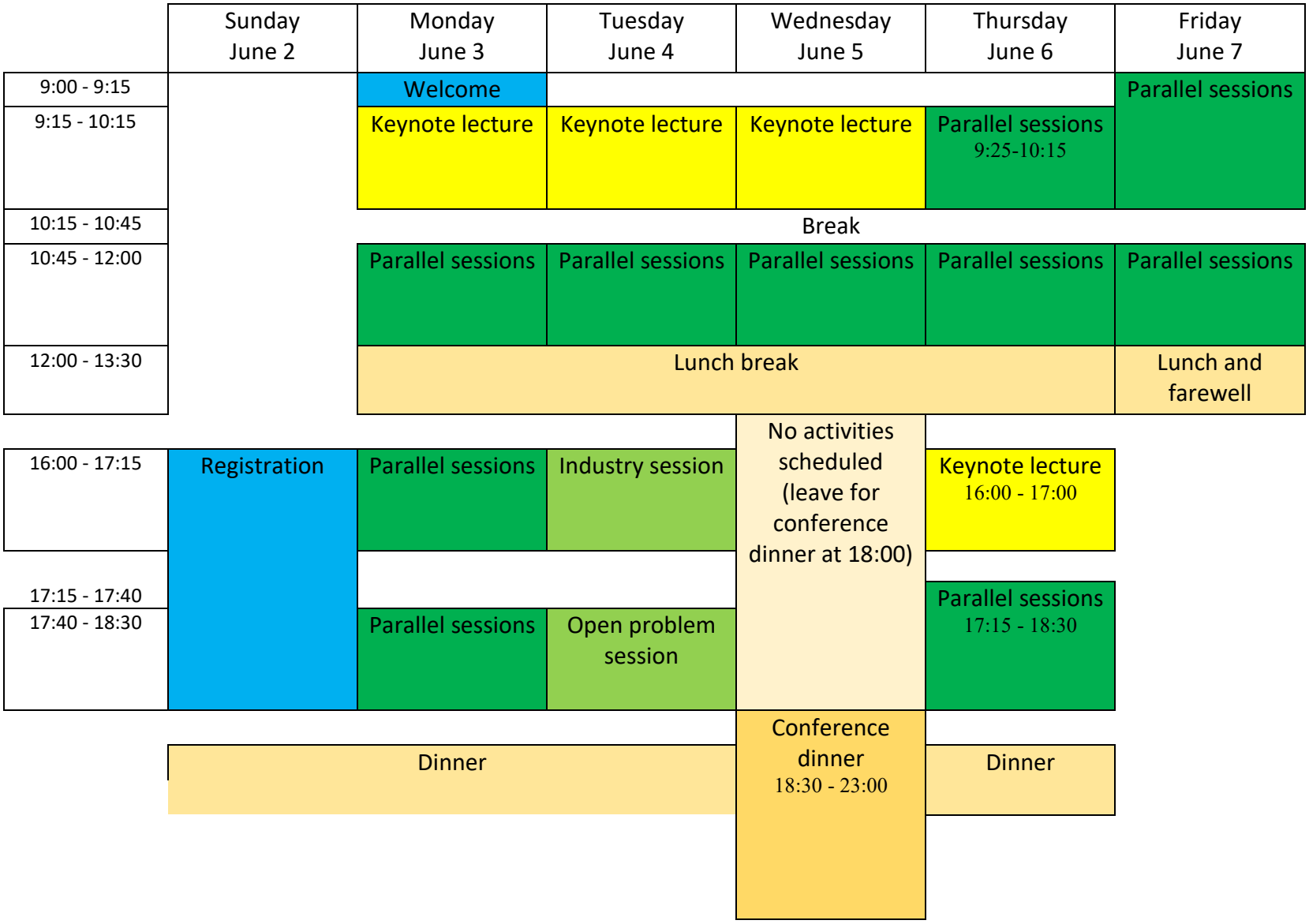
Sunday June 2
Monday June 3
Tuesday June 4
Wednesday June 5
Thursday June 6
Friday June 7
9:00 - 9:15
9:15 - 10:15
10:15 - 10:45
10:45 - 12:00
12:00 - 13:30
16:00 - 17:15
17:15 - 17:40
17:40 - 18:30
Welcome
Keynote lecture
Keynote lecture
Keynote lecture
Parallel sessions 9:25-10:15
Parallel sessions
Break
Parallel sessions
Parallel sessions
Parallel sessions
Parallel sessions
Parallel sessions
Lunch break
Lunch and farewell
Registration
Parallel sessions
Industry session
Parallel sessions
Open problem session
No activities scheduled (leave for conference dinner at 18:00)
Keynote lecture 16:00 - 17:00
Parallel sessions 17:15 - 18:30
Dinner
Conference dinner 18:30 - 23:00
Dinner

Monday June 3 - morning			
09:00 - 09:15	OPENING & WELCOME		
09:15 - 10:15	KEYNOTE LECTURE Chair : Samir Khuller **Opinion Dynamics** Petra Berenbrink (Universität Hamburg)		
10:15 - 10:45	COFFEE BREAK		
10:45 - 12:00	PARALLEL SESSION A Chair: Clifford Stein **Online Non-preemptive Scheduling to Minimize Maximum Weighted Flow-time on Related Machines** Giorgio Lucarelli, Benjamin Moseley, Kim Thang Nguyen, Abhinav Srivastav* and Denis Trystram **An O(log log m)-competitive Algorithm for Online Machine Minimization** Sungjin Im, Benjamin Moseley, Kirk Pruhs*, and Clifford Stein **A general framework for handling commitment in online throughput maximization** Lin Chen, Franziska Eberle*, Nicole Megow, Kevin Schewior and Clifford Stein	PARALLEL SESSION B Chair: Han Hoogeveen **An optimal randomized online algorithm for the k-Canadian Traveller Problem on node-disjoint paths** Stephan Westphal* and Marco Bender **Parallel Machine Scheduling with a Single Resource per Job** Teun Janssen, Céline Swennenhuis*, Abdel Bitar, Thomas Bosman, Stéfane Dauzère-Pérès, Dion Gijswijt, Leo van Iersel and Claude Yugma **Solving stochastic machine scheduling problems by estimating the solution value within local search** Han Hoogeveen*, Marjan Van Den Akker, Guido Passage and Jan Posthoorn	PARALLEL SESSION C Chair: Marc Schröder **Price-of-Anarchy in Stochastic Atomic Congestion Games with Affine Costs** Roberto Cominetti, Marco Scarsini, Marc Schröder* and Nicolas Stier-Moses **Congestion Games with Priority Lists** Vipin Ravindran Vijayalakshmi* and Marc Schröder **Scheduling with asymmetric piecewise-linear time-dependent processing times** Helmut A. Sedding*
12:00 - 13:30	LUNCH BREAK		

Monday June 3 - afternoon			
16:00 - 17:15	PARALLEL SESSION A Chair: Tim Oosterwijk **The Price of Anarchy for Flows over Time** José Correa, Andrés Cristi and Tim Oosterwijk* **Approximation and complexity of multi-target graph search and the Canadian traveler problem** Martijn van Ee* and René Sitters **A special case of the Equitable Travelling Salesman Problem** Moritz Buchem*, Kirsten A.A. Raaimakers and Tjark Vredeveld	PARALLEL SESSION B Chair: Yan Gu **Simplified Analysis of the Randomized Work-Stealing Scheduler** Yan Gu** **Mixed-Integer Programming Heuristics for the Blocking Job Shop Scheduling Problem** Julia Lange* and Reinhard Bürgy	PARALLEL SESSION C Chair: Bertrand Simon **Parallel scheduling of DAGs under memory constraints** Loris Marchal, Bertrand Simon* and Frédéric Vivien **Scheduling of jobs with integral-based processing times vs. scheduling of generalized unit-time jobs** Bartlomiej Przybylski* **Lift and Project Algorithms for Precedence Constrained Scheduling to Minimize Completion Time** Shashwat Garg, Janardhan Kulkarni and Shi Li
17:15 - 17:40	BREAK		
17:40 - 18:30	PARALLEL SESSION A Chair: Vincent T'Kindt **Identical parallel machine scheduling with minimum number of tardy jobs: approximation and exponential algorithms** Federico Della Croce and Vincent T'Kindt* **Budget Minimization with Precedence Constraints** Marinus Gottschau, Felix Happach, Marcus Kaiser* and Clara Waldmann	PARALLEL SESSION B Chair: Minming Li **Well behaved Online Load Balancing Against Strategic Jobs** Bo Li, Minming Li* and Xiaowei Wu **Models and Algorithms for Distributed Order Management** Yaron Fairstein*, Michael Berezansky, Luke Marshall, Ishai Menache, Seffi Naor, Ola Svensson and Timur Tankayev	PARALLEL SESSION C Chair: Jiri Sgall **A ϕ-Competitive Algorithm for Scheduling Packets with Deadlines** Pavel Vesely, Marek Chrobak, Lukasz Jez and Jiri Sgall* **Lower bounds on the asymptotic competitive ratio for various bin packing problems** János Balogh, József Békési, György Dósa, Leah Epstein* and Asaf Levin

Tuesday June 4 – morning			
09:15 - 10:15	KEYNOTE LECTURE Chair : André Berger **Approximation algorithms in appointment scheduling** Neil Olver (Vrije Universiteit Amsterdam)		
10:15 - 10:45	COFFEE BREAK		
10:45 - 12:00	PARALLEL SESSION A Chair: Benjamin Moseley **Packing Lower-Left Anchored Rectangles with Resource Augmentation** Antonios Antoniadis, Andrés Cristi, Ruben Hoeksma and Lukas Nölke* **A Near Optimal Mechanism for Energy Aware Scheduling** Antonios Antoniadis* and Andrés Cristi **A scheduling model motivated by cyber-security and adaptive machine learning** Clifford Stein*, Ojas Parekh, Cynthia Phillips, Vladlena Powers and Nourhan Sakr	PARALLEL SESSION B Chair: Tami Tamir **Scheduling and n-fold Integer Programming: Experimental Evaluation** Katerina Altmanová*, Dušan Knop and Martin Koutecky **Best-of-two-worlds analysis in searching and scheduling** Spyros Angelopoulos, Christoph Dürr and Shendan Jin **Cost-Sharing Games in Real-Time Scheduling Systems** Tami Tamir*	PARALLEL SESSION C Chair: Sandy Heydrich **Analyzing and optimizing the throughput of a pharmaceutical production process** Heiner Ackermann, Sandy Heydrich* and Christian Weiß **Scheduling a Proportionate Flow Shop of Batching Machines** Christoph Hertrich*, Heiner Ackermann, Sandy Heydrich, Sven O. Krumke and Christian Weiß **On the flexibility of Home-Away pattern sets** Roel Lambers*, Dries Goossens and Frits Spieksma
12:00 - 13:30	LUNCH BREAK		

Tuesday June 4 – afternoon	
16:00 - 17:15	INDUSTRY SESSION Chair : Tjark Vredeveld **Designing a road transportation network for large scale customers** Luuk van Rijthoven* and Hans Schut (DHL) **Optimization Problems in Practice** Goos Kant* (ORTEC)
17:15 - 17:40	BREAK
17:40 - 18:30	OPEN PROBLEM SESSION Chair: Federico Della Croce

Wednesday June 5 – morning			
09:15 - 10:15	KEYNOTE LECTURE Chair: René Sitters **Cup Emptying Games and I/O Scheduling** Michael Bender (Stony Brook University)		
10:15 - 10:45	COFFEE BREAK		
10:45 - 12:00	PARALLEL SESSION A Chair: Kunal Agrawal **On the complexity of the two-machine routing flow shop** Ilya Chernykh*, Alexander Kononov and Sergey Sevastyanov **A Polynomial-Time Algorithm for Rapid Routing with Guaranteed Delay Bounds** Kunal Agrawal and Sanjoy Baruah* **Scheduling to Approximate Minimization Objectives on Identical Machines** Benjamin Moseley*	PARALLEL SESSION B Chair: Vincent Chau **A PTAS for Euclidean TSP with hyperplane neighborhoods** Antonios Antoniadis, Krzysztof Fleszar, Ruben Hoeksma* and Kevin Schewior **Weighted Throughput Maximization with Calibrations** Vincent Chau*, Shengzhong Feng, Minming Li, Yinling Wang, Guochuan Zhang and Yong Zhang **Inland waterway efficiency through skipper collaboration and joint speed optimization** Julian Golak*, Veerle Timmermans, Alexander Grigoriev and Christof Defryn	PARALLEL SESSION C Chair: Roel Leus **Expanding search in general graphs: A branch-and-cut procedure** Ben Hermans*, Jannik Matuschke and Roel Leus **Maximizing the net present value of a project under uncertainty: the value of activity delays** Salim Rostami*, Stefan Creemers and Roel Leus **Net present value maximization in project scheduling with an external resource** Mahboobeh Peymankar, Morteza Davari*, Mohammad Ranjbar and Roel Leus
12:00 - 13:30	LUNCH BREAK		

Thursday June 6 - morning			
09:25 - 10:15	PARALLEL SESSION A Chair: Prudence Wong **An Improved Online Algorithm for Traveling Repairperson Problem on the Line** Marcin Bienkowski* and Hsiang-Hsuan Liu **Greedy is Optimal Online Algorithm for Smart Grid Scheduling of Unit Size Jobs** Fu-Hong Liu, Hsiang-Hsuan Liu* and Prudence W.H. Wong	PARALLEL SESSION B Chair: Vitaly Strusevich **Approximation algorithms for single machine scheduling with non-renewable resources and the total weighted completion time** Peter Gyorgyi* and Tamas Kis **Approximation algorithms for scheduling on parallel machines under resource constraints** Vitaly Strusevich*	PARALLEL SESSION C Chair: Antonios Antoniadis **Robust buffer allocation using a network flow-based algorithm** Pascal C. Wortel* and Sven O. Krumke **Prophet Inequalities for Independent Random Variables from an Unknown Distribution** José Correa, Paul Dütting, Felix Fischer and Kevin Schewior*
10:15 - 10:45	COFFEE BREAK		
10:45 - 12:00	PARALLEL SESSION A Chair: Nikhil Bansal **A (2 + \eps)-approximation for precedence constrained single machine scheduling with release dates and total weighted completion time objective** Rene Sitters* and Liya Yang **Precedence Constrained Scheduling to Minimize Makespan** Janardhan Kulkarni, Shi Li, Jakub Tarnawski and Minwei Ye **Approximating Total Weighted Completion Time on Identical Parallel Machines with Precedence Constraints and Release Dates** Sven Jäger*	PARALLEL SESSION B Chair: Jian-Jia Chen **Scheduling for gathering multitype data** Joanna Berlinska* and Bartlomiej Przybylski **Dependency Graph Approach for Multiprocessor Real-Time Synchronization** Jian-Jia Chen, Georg von der Brüggen*, Junjie Shi and Niklas Ueter **A Mapping Methodology for Coarse-Grained Pipelined Configurable Architectures** Elias Barbudo*, Eva Dokladalova, Thierry Grandpierre and Laurent George	PARALLEL SESSION C Chair: Johann Hurink **The Price of Fixed Assignments in Stochastic Extensible Bin Packing** Guillaume Sagnol, Daniel Schmidt Genannt Waldschmidt* and Alexander Tesch **The Multiple Traveling Salesperson Problem on Regular Grids** Anna Jellen*, Philipp Hungerländer, Kerstin Maier, Stefan Jessenitschnig, Lisa Knoblinger and Manuel Lackenbucher **MIP formulations for just-in-time scheduling around a common due-date** Anne-Elisabeth Falq*, Pierre Fouilhoux and Safia Kedad-Sidhoum
12:00 - 13:30	LUNCH BREAK		

Thursday June 6 - afternoon			
16:00 - 17:00	KEYNOTE LECTURE Chair: Leen Stougie **New models and algorithms for clustering problems** Aravind Srinivasan (University of Maryland)		
17:00 - 17:15	SHORT BREAK		
17:15 - 18:30	PARALLEL SESSION A Chair: Neil Olver **Fixed-Order Scheduling on Parallel Machines** Thomas Bosman, Dario Frascaria, Neil Olver, Rene Sitters and Leen Stougie **Malleable job scheduling on non-identical machines** Dimitris Fotakis, Jannik Matuschke* and Orestis Papadigenopoulos **Scheduling preemptable position-dependent jobs on two parallel identical machines** Marcin Zurowski and Gawiejnowicz Stanislaw*	PARALLEL SESSION B Chair: Michael Bender **The Online Event Detection Problem** Michael A. Bender, Jonathan Berry, Martin Farach-Colton, Rob Johnson, Thomas Kroeger, Prashant Pandey, Cynthia Phillips and Shikha Singh* **Online Makespan Minimization via Compact Predictions** Silvio Lattanzi, Thomas Lavastida*, Benjamin Moseley and Sergei Vassilvitskii **The Price of Clustering in Bin-Packing with Applications to Bin-Packing with Delays** Yossi Azar, Yuval Emek, Rob van Stee* and Danny Vainstein	PARALLEL SESSION C Chair: Ilya Chernykh **Tight optima localization interval for the two-machine routing open shops on an arbitrary tree** Ilya Chernykh and Olga Krivonogova* **Optimizing the Utilization of Locomotives considering Maintenance Constraints with a Mixed-Interger Linear Program** Sarah Frisch*, Anna Jellen, Philipp Hungerländer and Dominic Weinberger **A New Mathematical Approach for Circular Layouts** Philipp Hungerländer, Kerstin Maier, Veronika Pachatz*, Jörg Pöcher and Christian Truden

Friday June 7 – morning			
09:00 - 10:15	PARALLEL SESSION A Chair: Frits Spieksma **A 0.5-Approximation Algorithm for the Multiple Knapsack Problem with Cluster Capacities** Bernard Zweers* and Guido Schäfer **Minimizing makespan with an energy budget** Lin Chen, Wenchang Luo and Guochuan Zhang* **Online Interval Scheduling on Two Related Machines: the Power of Lookahead** Nicolas Pinson and Frits Spieksma*	PARALLEL SESSION B Chair: Peter Kling **Solving the Combined Cell Layout Problem with an Integer Linear Programming Formulation** Miguel F. Anjos, Philipp Hungerländer and Kerstin Maier* **Robustness in stochastic parallel machine scheduling** Max Hessey, Marjan Van Den Akker* and Roel van den Broek **On the Complexity of Center-Anchored Rectangle Packing** Felix Biermeier*, Christoph Damerius, Dominik Kaaser and Peter Kling	
10:15 - 10:45	COFFEE BREAK		
10:45 - 12:00	PARALLEL SESSION A Chair: José Verschae **Breaking Symmetries to rescue Sum of Squares: The case of makespan scheduling** Victor Verdugo and José Verschae* **On Submodular Search and Machine Scheduling** Robbert Fokkink, Thomas Lidbetter* and László Végh **Hiring Secretaries over Time: The Benefit of Concurrent Employment** Yann Disser, John Fearnley, Martin Gairing, Oliver Göbel, Max Klimm, Daniel Schmand, Alexander Skopalik and Andreas Tönnis*	PARALLEL SESSION B Chair: Klaus Jansen **Getting every last drop: Lower bounds for semi-online makespan minimization with help of a computer cluster** Martin Böhm* **A new and improved algorithm for online bin packing** János Balogh, József Békési, György Dósa, Leah Epstein and Asaf Levin* **A Quasi-Polynomial Approximation for the Restricted Assignment Problem** Klaus Jansen* and Lars Rohwedder	PARALLEL SESSION C Chair: Michael Helmling **The Anchor-Robust Project Scheduling Problem** Adèle Pass-Lanneau*, Pascale Bendotti, Philippe Chrétienne and Pierre Fouilhoux **Scheduling of a Multi-Purpose Chemical Batch Process on Product-Specific Lines with a Shared Initial Machine** Michael Helmling*, Heiner Ackermann and Christian Weiß **Non-Destructive Monitoring by a Sensor Network: Complexity of an Inverse Problem** Balasubramanian Kalyanasundaram and Mahendran Velauthapillai*