

# MISTA 2015 Programme

**Multidisciplinary International Conference on Scheduling : Theory and Applications (MISTA 2015), 25th - 28th August 2015, Prague, Czech Republic**

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## Tuesday 25th August 2015

**Opening and Welcome (08:45 - 09:00): Bohemia II**

**Plenary (09:00 - 10:00): Bohemia II (Chair: Graham Kendall)**

**Hana Rudová**

University course timetabling: From theory to practice

**Coffee/Tea (10:00 - 10:30)**

**Session S1 (10:30 - 12:50)**

**S1-A : Theoretical Scheduling I (Bohemia II) (Session Chair: Presenter of Paper 056)**

10:30	10:50	(039) A dynamic model of task processing for scheduling problems without additional resources, Gorczyca M., Janiak A. and Lichtenstein M.	Of Interest to Me?
10:50	11:10	(127) A branch-and-reduce exact algorithm for the single machine total tardiness problem, Della Croce F., Garraffa M., Shang L. and T'Kindt V.	Of Interest to Me?
11:10	11:30	(147) The polynomial solvability of a bicriteria linear combination on parallel identical machines with release dates, Balasubramanian H., Fowler J. and Keha A.	Of Interest to Me?
11:30	11:50	(017) Online and semi-online scheduling of two job types on a set of multipurpose machines, Karhi S. and Shabtay D.	Of Interest to Me?
11:50	12:10	(056) Structural properties of an open problem in preemptive scheduling, Chen B., Coffman E., Dereniowski D. and Kubiak W.	Of Interest to Me?
12:10	12:30	(999) FREE SLOT, This room is available for meetings, discussions etc., but please book with Debbie just to make sure that it is not double booked	Of Interest to Me?
12:30	12:50	(999) FREE SLOT, This room is available for meetings, discussions etc., but please book with Debbie just to make sure that it is not double booked	Of Interest to Me?

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## **S1-B : Project Scheduling (Moravia III) (Session Chair: Presenter of Paper 012)**

10:30	10:50	(139) Robustness of Partial Order Schedules: Understanding the Chaining algorithm, Wilmer D. and Klos T.	Of Interest to Me?
10:50	11:10	(095) Multimode Time-Constrained Scheduling Problems with Generalized Temporal Constraints and Labor Skills, Borreguero Sanchidrián T., Artigues C., Sánchez A.G., Mier M.O. and Lopez P.	Of Interest to Me?
11:10	11:30	(058) Lower bounds for Scheduling Problems with production and consumption of resources, Sahli A., Carlier J. and Moukrim A.	Of Interest to Me?
11:30	11:50	(025) Robust multi-mode resource constrained project scheduling of building deconstruction under uncertainty, Volk R., Hübner F. and Schultmann F.	Of Interest to Me?
11:50	12:10	(148) LAHC applied to The Multi-Mode Resource-Constrained Multi-Project Scheduling Problem, Soares J.A., Santos H.G., Baltar D.D. and Toffolo T.A.M.	Of Interest to Me?
12:10	12:30	(012) Exact and heuristic methods for trading-off makespan and stability in stochastic project scheduling, Mountakis S., Klos T, Witteveen C. and Huisman B.	Of Interest to Me?
12:30	12:50	(999) FREE SLOT, This room is available for meetings, discussions etc., but please book with Debbie just to make sure that it is not double booked	Of Interest to Me?

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### S1-C : Job Shop, Flow Shop and Open Shop I (Moravia II) (Session Chair: Presenter of Paper 093)

10:30	10:50	(033) Approaches to modeling job-shop problems with blocking constraints, Lange J.	Of Interest to Me?
10:50	11:10	(019) The two-machine flowshop total completion time problem: A branch-and-bound based on Network-flow formulation, Detienne B., Sadykov R. and Tanaka S.	Of Interest to Me?
11:10	11:30	(138) Minimizing regular criteria in the flexible job-shop scheduling problem, García-León A., Dauzère-Pérès S. and Mati Y.	Of Interest to Me?
11:30	11:50	(010) Ant Colony Optimisation for a Job Shop with Flexible Maintenance, Struijker Boudier I., Glazebrook K., Wright M. and Jennings P.	Of Interest to Me?
11:50	12:10	(074) An exponential dynamic programming algorithm for the 3-machine flowshop scheduling problem to minimize the makespan, Shang L., Lente C., Liedloff M. and T'Kindt V.	Of Interest to Me?
12:10	12:30	(093) Scheduling Jobs in a Two-Stage Flexible Flow Shop with Batch Processing Machines, Tan Y., Mönch L. and Fowler J.	Of Interest to Me?
12:30	12:50	(999) FREE SLOT, This room is available for meetings, discussions etc., but please book with Debbie just to make sure that it is not double booked	Of Interest to Me?

### Lunch (12:50 - 14:00)

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### Session S2 (14:00 - 15:40)

#### S2-A : Production Scheduling I (Bohemia II) (Session Chair: Presenter of Paper 108)

14:00	14:20	(145) Scheduling of jobs in the continuous casting stage of steel production, Herr O. and Goel A.	Of Interest to Me?
14:20	14:40	(144) Variable Neighborhood Search for a Rich Production Planning Problem, Schilde M., Schneeberger K. and Doerner K.	Of Interest to Me?
14:40	15:00	(122) Shortest k-unit Cycle in a Multiple Part-Type Robotic Cell, Akhlaghi V.E., Gultekin H. and Coban B.	Of Interest to Me?
15:00	15:20	(108) Resource Failure Recovery in Production Scheduling, Barták R. and Vlk M.	Of Interest to Me?
15:20	15:40	(999) FREE SLOT, This room is available for meetings, discussions etc., but please book with Debbie just to make sure that it is not double booked	Of Interest to Me?

#### S2-B : Transportation and Routing I (Moravia III) (Session Chair: Presenter of Paper 069)

14:00	14:20	(045) A constructive heuristic to reduce costs on an integrated production-distribution environment, Tavares-Neto R.F. and Ogawa M.A.	Of Interest to Me?
14:20	14:40	(036) Single Track Train Scheduling, Harbering J., Ranade A. and Schmidt M.	Of Interest to Me?
14:40	15:00	(062) Integrated production and outbound distribution scheduling problem with setup times and delivery time windows, Fu L., Aloulou M.A. and Triki C.	Of Interest to Me?
15:00	15:20	(068) An optimization-based approach for delivering radio-pharmaceuticals to medical imaging centers, Akrotirianakis I. and Chakraborty A.	Of Interest to Me?
15:20	15:40	(069) Reliability Oriented DARP Models Involving Autonomous Vehicles, Pimenta V., Quilliot A., Toussaint H. and Vigo D.	Of Interest to Me?

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## **S2-C : Preventitive Maintenance (Moravia II) (Session Chair: Presenter of Paper 130)**

14:00	14:20	(084) Scheduling preventive railway maintenance activities with resource constraints, Macedo R., Benmansour R., Urosevic D., Artiba A. and Mladenovic N.	Of Interest to Me?
14:20	14:40	(067) Iterated Local Search for the Generator Maintenance Scheduling Problem, Almakhlafi A. and Knowles J.	Of Interest to Me?
14:40	15:00	(004) Investigating Scheduling models for Power Plant Preventive Maintenance using Genetic Algorithm, Prajapat N., Hutabarat W., Tiwari A. and Pattacini M.	Of Interest to Me?
15:00	15:20	(142) Heuristic Methods for Single Machine Scheduling with Periodic Maintenance, Perez-Gonzalez P., Dios M., Fernandez-Viagas V. and Framinan J.M.	Of Interest to Me?
15:20	15:40	(130) Maintenance planning in a stochastic job shop, Van Den Akker M., Hoogeveen H. and Lukkien J.	Of Interest to Me?

**Coffee/Tea (15:40 - 16:00)**

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### Session S3 (16:00 - 17:20)

#### S3-A : Educational Timetabling I (Bohemia II) (Session Chair: Presenter of Paper 158)

16:00	16:20	(008) A Heuristic for Curriculum-Based Course Timetabling, Lindahl M., Sørensen M. and Stidsen T.	Of Interest to Me?
16:20	16:40	(159) Bacteria Swarm Optimisation Approach for Enrolment-Based Course Timetabling Problems, Shaker K., Abdullah S. and Alquads A.	Of Interest to Me?
16:40	17:00	(134) University Course Timetabling with Conflict Minimization and Elective Courses - A Decomposition-Based Approach to a Real-Life Case, Althaus E. and Muttray U.	Of Interest to Me?
17:00	17:20	(158) Thesis Defense Timetabling, Battistutta M., Ceschia S., De Cesco F. and Schaerf A.	Of Interest to Me?

#### S3-B : Job Shop, Flow Shop and Open Shop II (Moravia III) (Session Chair: Presenter of Paper 007)

16:00	16:20	(088) Scheduling Complex Job-Shops using Batch Oblivious Disjunctive Graphs A Scheduling Approach for the Diffusion and Cleaning Area in Semiconductor Manufacturing, Knopp S., Dauzere-Pérès S. and Yugma C.	Of Interest to Me?
16:20	16:40	(072) Family Scheduling in Flow Shop Manufacturing Systems with Batch Availability, Shen L. and Gupta J.N.D.	Of Interest to Me?
16:40	17:00	(007) Strategic Idling and Dynamic Scheduling in Open-Shop Service Network: Case Study and Analysis, Baron O., Berman O., Krass D. and Wang J.	Of Interest to Me?
17:00	17:20	(999) FREE SLOT, This room is available for meetings, discussions etc., but please book with Debbie just to make sure that it is not double booked	Of Interest to Me?

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## **S3-C : Healthcare I (Moravia II) (Session Chair: Presenter of Paper 135)**

16:00	16:20	(076) Nurse Rostering Problem: Tighter Upper Bound for Pricing Problem in Branch and Price Approach, Novák A., Vaclavik R., Sucha P. and Hanzalek Z.	Of Interest to Me?
16:20	16:40	(140) Multi-level Benders Decomposition for Multi-modal Outpatient Scheduling in Hospitals, Riise A., Lamorgese L. and Mannino C.	Of Interest to Me?
16:40	17:00	(059) "Floating Patients" method based on Scheduling algorithm for emergency department's service improvement, Wachtel G. and Elalouf A.	Of Interest to Me?
17:00	17:20	(135) A Hybrid Constraint Integer Programming Approach to Solve Nurse Scheduling Problems, Rahimian E., Akartunali K. and Levine J.	Of Interest to Me?

## **Conference Reception (Boat Cruise)**

More details will be provided at the conference

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## Wednesday 26th August 2015

**Plenary (09:00 - 10:00): Bohemia II (Chair: Přemysl Šůcha)**  
**Martin Skutella**

LP-based algorithms for scheduling unrelated parallel machines

**Coffee/Tea (10:00 - 10:30)**

**Session S4 (10:30 - 12:50)**

**S4-A : Theoretical Scheduling II (Bohemia II) (Session Chair: Presenter of Paper 070)**

10:30	10:50	(118) Mixed-criticality scheduling with known probabilities, Seddik Y. and Hanzalek Z.	Of Interest to Me?
10:50	11:10	(018) The resource dependent assignment problem with a convex assignment cost function and its relation to scheduling with controllable processing times, Shabtay D., Yedidsion L. and Lisovoy A.	Of Interest to Me?
11:10	11:30	(132) Lower bounds for the parallel processing scheduling problem with multiprocessor tasks, release date and delivery time, Hidri L., Ben Youssef B. and Gazdar A.	Of Interest to Me?
11:30	11:50	(092) Single machine scheduling: finding the Pareto Set for jobs with equal processing times with respect to criteria $L_{max}$ and $C_{max}$ , Lazarev A., Arkhipov D. and Werner F.	Of Interest to Me?
11:50	12:10	(011) Complexity of minimizing the total flow time on parallel machines with interval data and minmax regret criterion, Drwal M.	Of Interest to Me?
12:10	12:30	(070) A general technique for improving the complexity of FPTAS for scheduling problems, Levner E. and Elalouf A.	Of Interest to Me?
12:30	12:50	(999) FREE SLOT, This room is available for meetings, discussions etc., but please book with Debbie just to make sure that it is not double booked	Of Interest to Me?



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## **S4-B : General Scheduling I (Moravia III) (Session Chair: Presenter of Paper 066)**

10:30	10:50	(083) Scheduling with incompatible jobs: model and algorithms, Menezes G.C., Mateus G.R. and Ravetti M.G.	Of Interest to Me?
10:50	11:10	(152) Tropical optimization problems in project scheduling, Krivulin N.	Of Interest to Me?
11:10	11:30	(003) A Probabilistic Constrained Approach for Unrelated Parallel Machine Scheduling, Adasme P., Leung J. and Lisser A.	Of Interest to Me?
11:30	11:50	(160) Scheduling Time Variant Jobs on a Time Variant Resource, Horn G.	Of Interest to Me?
11:50	12:10	(136) Packing-based approaches for a discrete malleable task scheduling problem, Braune R.	Of Interest to Me?
12:10	12:30	(066) A Decomposition Heuristic for a Bicriteria Evacuation Scheduling Problem, Deghdak K. and T'Kindt V.	Of Interest to Me?
12:30	12:50	(999) FREE SLOT, This room is available for meetings, discussions etc., but please book with Debbie just to make sure that it is not double booked	Of Interest to Me?

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## **S4-C : Pot Luck I (Moravia II) (Session Chair: Presenter of Paper 161)**

10:30	10:50	(077) A framework of constructive heuristics for permutation-type scheduling problems, Fernandez-Viagas V., Dios M., Perez-Gonzalez P. and Framinan J.M.	Of Interest to Me?
10:50	11:10	(100) SAILS: Hybrid Algorithm for the Team Orienteering Problem with Time Windows, Gunawan A., Lau H.C. and Lu K.	Of Interest to Me?
11:10	11:30	(098) On Task Scheduling Policies for Work-Stealing Schedulers, Adriaensen S., Fathy Y. and Nowe A.	Of Interest to Me?
11:30	11:50	(172) A biased random-key genetic algorithm for scheduling divisible loads, Brandao J.S., Noronha T.F., Resende M.G.C. and Ribeiro C.C.	Of Interest to Me?
11:50	12:10	(073) Three approaches to solving the problem of cosmonauts' training planning, Bronnikov S., Gushchina V., Lazarev A., Morozov N., Sologub A. and Yadrentsev D.	Of Interest to Me?
12:10	12:30	(161) Time-based Decomposition Strategies for the Traveling Umpire Problem, Toffolo T.A.M., Wauters T. and Vanden Berghe G.	Of Interest to Me?
12:30	12:50	(999) FREE SLOT, This room is available for meetings, discussions etc., but please book with Debbie just to make sure that it is not double booked	Of Interest to Me?

**Lunch (12:50 - 14:00)**

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## Session S5 (14:00 - 15:40)

### S5-A : Production Scheduling II (Bohemia II) (Session Chair: Presenter of Paper 090)

14:00	14:20	(078) Manufacturing Scheduling Systems: What are they made of?, Dios M., Fernandez-Viagas V., Perez-Gonzalez P. and Framinan J.M.	Of Interest to Me?
14:20	14:40	(051) The Discrete Parallel Machine Makespan Scheduling-Location Problem, Heßler C. and Deghdak K.	Of Interest to Me?
14:40	15:00	(041) Production Scheduling Based on Order Utility Functions, Mauergauz Y.	Of Interest to Me?
15:00	15:20	(027) Continuous Time Model for Scheduling Operations in Cascaded Continuous Processing Units with Multiple Due Dates, Bhattacharya S. and Bose S.K.	Of Interest to Me?
15:20	15:40	(090) The Intermittent Traveling Salesman Problem, Pham S. and De Causmaecker P.	Of Interest to Me?

### S5-B : Real World Scheduling (Moravia III) (Session Chair: Presenter of Paper 113)

14:00	14:20	(047) A GRASP based approach to dynamic scheduling of parallel heat treatment furnaces in a manufacturing company, Baykasoglu A. and Ozsoydan F.B.	Of Interest to Me?
14:20	14:40	(032) Scheduling optimization of a real flexible job shop including side constraints regarding maintenance, fixtures, and night shifts, Thörnblad K., Strömberg A-B., Patriksson M. and Almgren T.	Of Interest to Me?
14:40	15:00	(015) Scheduling the operation of a phosphate pipeline for OCP: A Case Study, Van Marcke K. and Ali O.	Of Interest to Me?
15:00	15:20	(170) Multi-objective energy-aware scheduling, Van Den Dooren D., Sys T., Wauters T. and Vanden Berghe G.	Of Interest to Me?
15:20	15:40	(113) Simulation Based Cause and Effect analysis of Input Variables in Wafer Fabrication, Singh R. and Mathirajan M.	Of Interest to Me?

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## **S5-C : Personnel/Staff Rostering I (Moravia II) (Session Chair: Presenter of Paper 115)**

14:00	14:20	(055) A heuristic procedure to proactively increase employee substitutability and personnel roster robustness, Ingels J. and Maenhout B.	Of Interest to Me?
14:20	14:40	(060) Fairness in employee scheduling, Stockwell-Alpert E. and Chung C.	Of Interest to Me?
14:40	15:00	(173) A Greedy-based Heuristic for Shift Minimization Personnel Task Scheduling Problem, Hojati M.	Of Interest to Me?
15:00	15:20	(165) Variable neighbourhood search for rich personnel rostering problems, Smet P. and Vanden Berghe G.	Of Interest to Me?
15:20	15:40	(115) Optimisation of Staff Absences, Klöcker C., Ostler J. and Wilke P.	Of Interest to Me?

**Coffee/Tea (15:40 - 16:00)**

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## **Session S6 (16:00 - 17:20)**

### **S6-A : Educational Timetabling II (Bohemia II) (Session Chair: Presenter of Paper 110)**

16:00	16:20	(119) Student Scheduling Problem At Universite de Technologie de Compiègne, Arbaoui T., Azouni A., Boufflet J-P. and Moukrim A.	Of Interest to Me?
16:20	16:40	(121) Solving Huge Real-World Timetabling Instances, Lach G., Lach M. and Zorn E.	Of Interest to Me?
16:40	17:00	(110) An IP-based model for the post enrollment-based course timetabling problem at TU Berlin, Höner J., Lach G. and Zorn E.	Of Interest to Me?
17:00	17:20	(099) Improving Upper Bounds in High School Timetabling by Matheuristics, Fonseca G.H.G., Santos H.G. and Carrano E.G.	Of Interest to Me?

### **S6-B : Crane Scheduling (Moravia III) (Session Chair: Presenter of Paper 081)**

16:00	16:20	(044) An Efficient Simulated Annealing for the Integrated Problem of Berth Allocation and Quay Crane Assignment in Seaside Container Terminals, Nourmohammadzadeh A. and Hartmann S.	Of Interest to Me?
16:20	16:40	(081) How to Unload Bulk Carriers Quickly? Mathematical Models to Identify Efficient Loading Patterns, Ackermann H., Küfer K-H., Leithäuser N., Meyer A. and Velten S.	Of Interest to Me?
16:40	17:00	(999) FREE SLOT, This room is available for meetings, discussions etc., but please book with Debbie just to make sure that it is not double booked	Of Interest to Me?
17:00	17:20	(999) FREE SLOT, This room is available for meetings, discussions etc., but please book with Debbie just to make sure that it is not double booked	Of Interest to Me?

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## **S6-C : Healthcare II (Moravia II) Session Chair: Presenter of Paper 105)**

16:00	16:20	(171) Home Health Care Scheduling: A Case Study, Yuan Z. and Fuegenschuh A.	Of Interest to Me?
16:20	16:40	(102) Cross-training performance of nurse scheduling with the learning effect, Akhavizadegan F., Tavakkoli-Moghaddam R., Jolai F. and Ansarifard J.	Of Interest to Me?
16:40	17:00	(105) Appointment scheduling in hospitals Sequencing and scheduling using timeaggregation, Kirchner S. and Lübbecke M.	Of Interest to Me?
17:00	17:20	(999) FREE SLOT, This room is available for meetings, discussions etc., but please book with Debbie just to make sure that it is not double booked	Of Interest to Me?

## **Conference Banquet**

More details will be provided at the conference

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## Thursday 27th August 2015

**Plenary (09:00 - 10:00): Bohemia II (Chair: Zdenek Hanzalek)**

**Johann Hurink**

Scheduling for Decentralized Energy Management

**Coffee/Tea (10:00 - 10:30)**

**Session S7 (10:30 - 12:50)**

**S7-A : Personnel/Staff Rostering II (Bohemia II) (Session Chair: Presenter of Paper 054)**

10:30	10:50	(163) A lexicographic goal programming approach for staff assignment with acceptance levels, Rihm T. and Baumann P.	Of Interest to Me?
10:50	11:10	(094) Modeling Uncertainty in Vessel Crew Scheduling, Sucu S., Leggate A., Akartunalı K. and Van Der Meer R.	Of Interest to Me?
11:10	11:30	(009) Solving the staff scheduling problem in a retail company, Fernandes P. and Barbosa A.	Of Interest to Me?
11:30	11:50	(054) A heuristic procedure for the personnel task re-scheduling problem, Maenhout B., Burgelman J. and Vanhoucke M.	Of Interest to Me?

**S7-A (Tutorial) : Vector Space Decomposition for Linear Programs and Network Flow Problems (Bohemia II) (Session Chair: Jacques Desrosiers)**

11:50	12:50	Note - This tutorial is given in place of the following paper: (042) Vector space decomposition for linear programming, Desrosiers J., Gauthier J.B. and Lübbecke M.E.	Of Interest to Me?
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## **S7-B : General Scheduling II (Moravia III) (Session Chair: Presenter of Paper 150)**

10:30	10:50	(131) Bounding schemes for the parallel processors scheduling problem with release date, delivery time and with no-idle time constraint, Hidri L. and Gazdar A.	Of Interest to Me?
10:50	11:10	(109) Modeling the single-processor scheduling problem with time restrictions as a parallel machine scheduling problem, Benmansour R., Braun O. and Allaoui H.	Of Interest to Me?
11:10	11:30	(097) Using Adaptive Large Neighborhood Search to Solve Parallel Machine Scheduling Problems with Dedications and Unequal Ready Times of the Jobs, Herding R. and Mönch L.	Of Interest to Me?
11:30	11:50	(006) An efficient simulated annealing for two-agent scheduling with exponential job-dependent position-based learning consideration, Choi J.Y.	Of Interest to Me?
11:50	12:10	(096) Multiprocessor Scheduling with Inserted Idle Time to Minimize the Maximum Lateness, Grigoreva N.S.	Of Interest to Me?
12:10	12:30	(168) A Hybrid Swarm Algorithm for Post Enrollment Course Timetabling, Fong C-W., Asmuni H., Lam W-S., McCollum B., McMullan P. and Kendall G.	Of Interest to Me?
12:30	12:50	(150) A novel Approximate/Exact objective based search technique for precedence constrained scheduling problems, Kozik A. and Rudek R.	Of Interest to Me?



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### S7-C : Pot Luck II (Moravia II) (Session Chair: Presenter of Paper 174)

10:30	10:50	(133) Budgeted Internet Shopping Optimization Problem (B-ISOP), Marszałkowski J.	Of Interest to Me?
10:50	11:10	(057) Solving resource constrained shortest path problems with branch-and-cut, Horváth M. and Kis T.	Of Interest to Me?
11:10	11:30	(013) Optimal schedule of a statistical process control with a nonlinear expected loss, Glizer V.Y. and Turetsky V.	Of Interest to Me?
11:30	11:50	(174) The Optimisation of a Stagger Chart for Aviation Fleet Planning, Weedon R, Ahmadi S. and Critchley M.	Of Interest to Me?

### S7-C Nurse Rostering Competition (Presentations) (Bohemia II) (Session Chairs: Patrick De Causmaecker, Andrea Schaerf, Stefaan Haspeslagh, Nguyen Thi Thanh Dang and Sara Ceschia)

11:50	12:50	Nurse Rostering Competition (Presentations)	Of Interest to Me?
		The seven finalists are shown below, in no particular order. Not all may present.	
	1	Ahmed Kheiri, UK	
	2	Hust.Smart, Zhouxing Su, Zhuo Wang, Zhipeng Lü, Laboratory of Smart Computing and Optimization, School of Computer Science and Technology, Huazhong University of Science and Technology, Wuhan 430074, P.R. China.	
	3	NurseOptimizers, Michael Römer, Taieb Mellouli, Institute of Business Information Systems and Operations Research, Martin Luther University Halle-Wittenberg	
	4	ORTEC, Hujin Jin, Gerhard Post, Egbert van der Veen, ORTEC	
	5	Polytechnique Montreal, Legrain Antoine, Omer Jérémy, Rosat Samuel, Polytechnique Montreal	
	6	ThreeJohns, Tassopoulos X. Ioannis, Solos P. Ioannis, Beligiannis N. Grigorios, University of Patras, Greece	
	7	LabGOL, Federica Picca Nicolino, Francesco Bagattini, Luca Bravi, Niccolò Bulgarini, Alessandro Galligari, Fabio Schoen, Università degli Studi di Firenze, Italy	

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**Lunch (12:50 - 14:00)**

**Session S8 (14:00 - 15:40)**

**S8-A : Energy Aware Scheduling (Bohemia II) (Session Chair: Presenter of Paper 086)**

14:00	14:20	(038) An Optimization Framework for Job-shop with Energy Threshold Issue with Consideration of Machining Operations with Consumption Peaks, Kemmoé-Tchomté S., Lamy D. and Tchernev N.	Of Interest to Me?
14:20	14:40	(043) Energy Consumption in Single- and Multi-installment Divisible Loads Processing in Systems with Hierarchical Memory, Marszałkowski J. and Drozdowski M.	Of Interest to Me?
14:40	15:00	(052) A new lower bound for optimisation of energy consumption of robotic cells, Bukata L., Sucha P. and Hanzalek Z.	Of Interest to Me?
15:00	15:20	(086) A mass-flow MILP formulation for energy-efficient supplying in assembly lines, Mugerza M., Briand C., Jozefowicz N., Ngueveu S.U., Rodriguez V. and Moris M.U.	Of Interest to Me?
15:20	15:40	(999) FREE SLOT, This room is available for meetings, discussions etc., but please book with Debbie just to make sure that it is not double booked	Of Interest to Me?

**S8-B : Transportation and Routing II (Moravia III) (Session Chair: Presenter of Paper 106)**

14:00	14:20	(116) Primal Heuristics for the Vehicle Routing Problem with Synchronized Visits, Afifi S. and Moukrim A.	Of Interest to Me?
14:20	14:40	(106) A Fixed Route Dial-a-Ride Problem, Ilani H., Shufan E. and Grinshpoun T.	Of Interest to Me?
14:40	15:00	(999) FREE SLOT, This room is available for meetings, discussions etc., but please book with Debbie just to make sure that it is not double booked	Of Interest to Me?
15:00	15:20	(999) FREE SLOT, This room is available for meetings, discussions etc., but please book with Debbie just to make sure that it is not double booked	Of Interest to Me?
15:20	15:40	(999) FREE SLOT, This room is available for meetings, discussions etc., but please book with Debbie just to make sure that it is not double booked	Of Interest to Me?

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## **S8-C : Cloud Based Resource Scheduling (Moravia II) (Session Chair: Presenter of Paper 005)**

14:00	14:20	(087) Resource-Aware Scheduling for Data Centers with Heterogenous Servers, Tran T.T., Zhang P.Y., Li H., Down G.D. and Beck J.C.	Of Interest to Me?
14:20	14:40	(064) Model for planning of distributed data production, Makatun D., Lauret J., Rudová H. and Šumbera M.	Of Interest to Me?
14:40	15:00	(005) Routing Strategy for Prioritized Limited Multi-server Processor-Sharing System that includes Servers with Various Capacities, Shikata Y. and Hanayama N.	Of Interest to Me?
15:00	15:20	(999) FREE SLOT, This room is available for meetings, discussions etc., but please book with Debbie just to make sure that it is not double booked	Of Interest to Me?
15:20	15:40	(999) FREE SLOT, This room is available for meetings, discussions etc., but please book with Debbie just to make sure that it is not double booked	Of Interest to Me?

**Coffee/Tea (15:40 - 16:00)**

**Session S9 (16:00 - 17:00)**

## **S9-A : Educational Timetabling III (Bohemia II) (Session Chair: Presenter of Paper 154)**

16:00	16:20	(101) Flow Formulation-based Model for the Curriculum-based Course Timetabling Problem, Bagger N-C. F., Kristiansen S., Sørensen M. and Stidsen T. R.	Of Interest to Me?
16:20	16:40	(091) Examination timetabling at Technische Universität Berlin, Lach M., Lach G. and Zorn E.	Of Interest to Me?
16:40	17:00	(154) Automated Design of the Developmental Approach for Solving the Examination Timetabling Problem, Pillay N.	Of Interest to Me?

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## **S9-B : Aircraft/Airport Operations (Moravia III) (Session Chair: Presenter of Paper 169)**

16:00	16:20	(023) Scheduling competition in the airline industry and the issue of duplicate bookings, Ishii R. and Nakagawa K.	Of Interest to Me?
16:20	16:40	(085) Stability and Flexibility of Crew and Aircraft Schedules, Ionescu L. and Kliewer N.	Of Interest to Me?
16:40	17:00	(169) An integrated simultaneous approach for pilots and copilots re-scheduling problem, Kasirzadeh A. and Soumis F.	Of Interest to Me?

## **S9-C : Timetabling (Moravia II) (Session Chair: Presenter of Paper 125)**

16:00	16:20	(117) Comparison of EATTS and XHSTT - Towards a Unified Description Language for Timetabling Problems, Müller M., Ostler J. and Wilke P.	Of Interest to Me?
16:20	16:40	(164) A list-scheduling approach for the planning of assessment centers, Zimmermann A. and Trautmann N.	Of Interest to Me?
16:40	17:00	(125) Scheduling a conference to minimize attendee preference conflicts, Quesnelle J. and Steffy D.	Of Interest to Me?

**Nurse Rostering Challenge - Awards (17:00 - 17:50) (Bohemia II)**

**Conference Close (17:50 - 18:00) (Bohemia II)**

**Dinner: On your Own**

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## **Friday 28th August**

**Social Day (More details at the conference)**