

**WEDNESDAY, April 3**

WC-1: Extensions of Resource-Constrained Project Scheduling   Room 106 Co-Chairs: Niels-Fabian Baur, Jürgen Zimmermann			WC-2: Single Machine Scheduling   Room 105 Co-Chairs: Elena Rener, Vincent T'kindt		
ID	Title	Presenter	ID	Title	Presenter
37	Machine scheduling with shift border constraints motivated by a RCSP from industry	Felix Buld	7	Sequencing a single machine with no idle times to minimize total cost: a lower bound derived from permutation constraint relaxation	Olivier Ploton
24	Priority heuristic for the multi-skilled resource-constrained project scheduling problem	Guillaume Vermeire	11	A faster FPTAS for makespan minimization with time-dependent agreeable V-shaped processing times	Helmut Sedding
52	Scenario-based optimization for a multi-skilled resource-constrained project scheduling problem with resource flexibility	Niels-Fabian Baur	5	Bilevel adversarial single machine scheduling problems with job selection	Vincent T'kindt
WD-1: Applications of Artificial Intelligence in Project Scheduling   Room 106 Co-Chairs: Claudio Szwarcfiter, Mario Vanhoucke			WD-2: Shop Scheduling under Uncertainty   Room 105 Co-Chairs: Alessandro Agnetis, Lei Liu		
ID	Title	Presenter	ID	Title	Presenter
16	Artificial intelligence (AI) application in construction, scheduling and project management: a theoretical, framework	Saeed Rokoei	14	Makespan service level for the flexible job shop scheduling problem under machine-related uncertainty	Mario Flores-Gomez
13	Generation, application and empirical evaluation of a hybrid risk model for forecasting project duration and cost	Izel Unsal-Altuncan	50	Two-stage approaches to solving the robust job-shop problem with uncertainty budget	Carla Juvín
19	Reinforcement learning for lean and robust project scheduling under duration uncertainty	Claudio Szwarcfiter	29	A local search tree heuristic approach for the stochastic 2-machine flow shop scheduling problem	Lei Liu
WE-1: Project Risk and Uncertainty Management   Room 106 Co-Chairs: Rainer Kolisch, Avraham Shtub			WE-2: Maintenance Scheduling   Room 105 Co-Chairs: Alessandro Agnetis, Tom Ray		
ID	Title	Presenter	ID	Title	Presenter
21	A comparison of activity ranking methods for taking corrective actions during project control	Forough Vaseghi	26	Bilevel scheduling of uniform parallel machine in the context of coupling maintenance and scheduling decisions	Quentin Schau
17	A systems thinking theoretical foundation for project uncertainty management and strategies	Paul W.M. Cuyper	9	Solver based heuristics for rolling stocks corrective maintenance scheduling	Tom Ray
22	Selecting the right product development methodology for NPD projects	Avraham Shtub	NN	NN	NN

**THURSDAY, April 4**

<b>TB-1: Project Scheduling under Uncertainty   Room 106</b> Co-Chairs: Tamara Bigler, Péter Györgyi			<b>TB-2: Flow Shop Scheduling and Applications   Room 105</b> Co-Chairs: Fayez-F. Boctor, Nicklas Klein		
ID	Title	Presenter	ID	Title	Presenter
34	Solving the stochastic resource-constrained project scheduling problem with flexible resource profiles using a sample average approximation approach	Ann-Kathrin Mendl	55	Operations scheduling in reconfigurable flow shops	Fayez-F. Boctor
36	The trade-off between stability and expected makespan in stochastic project scheduling problem	Ziyang Tang	33	Modeling the process of animal food production as a hybrid flow shop scheduling problem	Tal Grinshpoun
49	Scheduling identical jobs with durational uncertainty and maximum time lags	Péter Györgyi	47	Flow shops with reentry: total completion time optimal schedules	Nicklas Klein
<b>TC: Best Student Paper Award I   Room 201</b> Co-Chairs: Joanna Józefowska, Norbert Trautmann			IPC MEETING		
10	Anchor-robust project scheduling with non-availability periods	Luca Brunod Indrigo			
28	Solving a robust multi-skill resource-constrained multi-project scheduling problem	Rahman Torba			
18	A purely buffer-based approach to the proactive and reactive resource-constrained project scheduling problem	Yanfei Chen			
<b>TD: Best Student Paper Award II   Room 201</b> Co-Chairs: Erik Demeulemeester, Norbert Trautmann			IPC MEETING		
4	On branch-and-price for multi-project scheduling	Maximilian Kolter			
43	Improved benders decomposition for project scheduling with monotone objectives	Leonie Gallois			
44	A heuristic approach for a multi-line hybrid flow shop scheduling problem with energy considerations	Sara Taguement			
<b>TE: Project Scheduling with Generalized Resource Constraints   Room 106</b> Co-Chairs: Yoshihiro Murakami, Lena Wohlert			IPC MEETING		
38	Minimizing makespan and number of preemptions in resource-constrained project scheduling problems with time-varying resources	Ilaria Salvadori			
35	A more powerful checker for the cumulative scheduling problem	Kristina Kumbria			
40	Improvement method to solve large scale instances of the resource overload problem with tardiness penalty	Lena Wohlert			
<b>TF-1: Personnel and Shift Scheduling   Room 106</b> Co-Chairs: Marco Claps, Jürgen Zimmermann			<b>TF-2: Arising Topics in Scheduling   Room 105</b> Co-Chairs: Morteza Davari, Vincent T'kindt		
12	An integrated project and personnel scheduling problem using an adaptive large neighbourhood search procedure	Brede Sørøy	54	Applying quantum computing for the aircraft deconfliction problem	Tomasz Pecyna
23	Exact algorithms for a shift scheduling problem in intra-hospital patient transfer	Marco Claps	42	Lock scheduling with non-identical parallel chambers	Morteza Davari
NN	NN	NN	NN	NN	NN

**FRIDAY, April 5**

<b>FA-1: Project Network Modeling   Room 106</b> Co-Chairs: <del>Massimiliano Garamia</del> , Tom Servranckx			<b>FA-2: Scheduling Applications   Room 105</b> Co-Chairs: Yoshihiro Murakami, Natalia V. Shakhlevich		
ID	Title	Presenter	ID	Title	Presenter
25	Variants of a genetic algorithm for the resource-constrained project scheduling with alternative subgraphs	Rojin Nekoueian	30	Mixed-integer programming models for mid-term production planning in integrated steel production	Jonas Saupe
20	New procedure for the resource-constrained project scheduling problem with alternative subgraphs using satisfiability solvers	Tom Servranckx	41	Scheduling direct deliveries in make-to-order manufacturing with intermediate storage	Julia Lange
27	Analyzing criticalities on project network with variable activity durations	<del>Massimiliano Garamia</del>	45	Vector bin packing for resource management in distributed systems: a case study	Natalia V. Shakhlevich
<b>FB-1: Project Risk Management   Room 106</b> Co-Chairs: Maria E. Bruni, Mario Vanhoucke			<b>FB-2: Software for Project Management and Scheduling Problems   Room 105</b> Co-Chairs: Philippe Laborie, Avraham Shtub		
ID	Title	Presenter	ID	Title	Presenter
6	Project risk prioritisation using monte carlo simulation	Fernando Acebes	15	The agile project management scheduling problem - definition and discussion	Avraham Shtub
31	An interaction-oriented schedule risk analysis to reduce the project duration	Yuxuan Song	46	PyJobShop: solving machine scheduling problems with constraint programming in python	Leon Lan
39	A risk-averse approach to payment delays	Maria E. Bruni	8	Fast lower bounds for scheduling problems in hexaly optimizer	Philippe Laborie