

Monday July 16, 2012

Monday 0: 08.00 - 08.30 Workshop Opening

Friedrich Roithmayr, Karl F. Doerner

Monday 1: 08.30 - 10.00 Keynote Talk Chair: Karl F. Doerner

Gilbert Laporte

Scheduling issues in vehicle routing

Monday 2: 10.30 - 12.00 Chair: Martin Grunewald

Mauro Dell'Amico, Eleni Hadjicostantinou, Manuel Iori, Stefano Novellani

Optimization of a Bike Sharing System: Solving the Static Rebalancing Problem

Marco Oberscheider, Jan Zazgornik, Christian Bugge Henriksen, Manfred Gronalt, Patrick Hirsch

Minimizing driving times and greenhouse gas emissions in timber transport with a near-exact solution approach

Reut Bonshtain-Noham, Michal Tzur

The Single and Multi-Item Transshipment Problem with Fixed Transshipment Costs

Monday 3: 13.30 - 15.00 Chair: Nils-Hassan Quttineh

Martin Grunewald, Thomas Volling, Thomas S. Spengler

An integrated inventory-transportation system with periodic pick-ups and leveled replenishment

Stefan Vonolfen, Michael Affenzeller

Adaption of Waiting Strategies for Dynamic Pickup and Delivery Problems Using Historical Data

Ulrike Ritzinger, Jakob Puchinger, and Richard Hartl

Hybrid Metaheuristic for the Dial-a-Ride Problem

Monday 4: 15.30 - 16.30 Chair: Maria De Cola

Nils-Hassan Quttineh, Torbjörn Larsson, Kristian Lundberg, Kaj Holmberg

Military Aircraft Mission Planning - A Generalized Vehicle Routing Model with Synchronization and Precedence

Line Blander Reinhardt, Tommy Clausen, David Pisinger

Synchronized dial-a-ride transportation of disabled passengers at airports

Monday 5: 17.00 - 18.00 Chair: Agata Banaszewska

Maria De Cola, Giovanni Felici, Marta Szachniuk

The Orderly Colored Longest Path Problem

Ravi Kothari, Diptesh Ghosh

Tabu search for the single row facility layout problem using exhaustive 2-opt and insertion neighborhoods

Tuesday July 17, 2012

Tuesday 1: 08.30 - 10.00 Keynote Talk Chair: Karl F. Doerner

Richard F. Hartl

Metaheuristics

Tuesday 2: 10.30 - 12.00

Chair: Alba Agustin

Agata Banaszewska, Frans Cruijssen, J.G.A.J. (Jack) van der Vorst, Frits Claassen, Han Kampman
A comprehensive Dairy Valorization Model

Mario Guajardo, Martin Kylinger, Mikael Rönnqvist

Divergent supply chain optimization: from a decoupled to an integrated planning approach

Renate Traxler, Christian Almeder

How to model and solve multi-level lot-sizing and scheduling problems?

Tuesday 3: 13.30 - 15.00

Chair: Joachim Schauer

Alba Agustin, Angel A. Juan, Cesar Cuenca, Oscar Dominguez, Javier Faulin

A Biased-Randomized Algorithm for solving the Two-Dimensional Loading Vehicle Routing Problem

Andrea Rendl, Matthias Prandtstetter, Gerhard Hiermann, Jakob Puchinger, Günther Raidl

A Hybrid Heuristic for Multimodal Homecare Scheduling

John D. Lees-Miller

Lower Bounds on Passenger Waiting Time in Personal Rapid Transit and Taxi Systems

Tuesday 4: 15.30 - 16.30

Chair: Xin Tang

Joachim Schauer, Cornelius Schwarz

A generalized job-shop problem with multi-constrained operations

Philipp Baumann, Norbert Trautmann

A hybrid approach to large-scale short-term scheduling in make-and-pack production

Tuesday 5: 17.00 - 18.00

Chair: Mor Kaspi

Xin Tang, Ameer Soukhal, Vincent T'kindt

Preprocessing for a map sectorization problem by means of mathematical programming

Mariá C. V. Nascimento

A Novel Spectral Method for the Community Detection Problem

Wednesday July 18, 2012

Wednesday 1: 08.30 - 10.00

Keynote Talk

Chair: Richard F. Hartl

Paolo Toth

Models and Algorithms for Passenger Railway Optimization Problems

Wednesday 2: 10.30 - 11.30

Chair: Ward Romeijnders

Mor Kaspi, Tal Raviv

Service-Oriented Line Planning and Timetabling for Passenger Trains

Uğur Arıkan, Sinan Gürel, M. Selim Aktürk

Aircraft and Passenger Recovery with Cruise Speed Control

Thursday July 19, 2012

Thursday 1: 08.30 - 10.00

Keynote Talk

Chair: Xavier Gandibleux

Walter J. Gutjahr

Heuristic Techniques for Stochastic Combinatorial Optimization

Thursday 2: 10.30 - 12.00

Chair: Evrim Ursavas

Ward Romeijnnders, Maarten H. van der Vlerk

A Convex Three-Stage Approximation for Two-Stage Mixed-Integer Recourse Models: Concept and Initial Analysis

Jaroslav Janáček, Marek Kvet

Dynamic Zone Adjustment for Approximate Approach to the p -Median Problem

Anna Gustafsson, Tobias Andersson Granberg

Using variable neighborhood search to locate fire and rescue resources

Thursday 3: 13.30 - 15.00

Chair: Åsa Holm

Deniz Ozdemir, Evrim Ursavas

Multi-objective Berth-Crane Allocation Problem

Nils Boysen, Simon Emde, Malte Flidner

Determining crane areas for balancing workload among interfering and non-interfering cranes

Renato Mari

Lower bound improvements of penalty parameters for discrete - continuous linear bilevel problems reformulation

Thursday 4: 15.30 - 16.30

Chair: Gokhan Kirlik

Åsa Holm, Åsa Carlsson Tedgren, Torbjörn Larsson

Heuristics for Integrated Optimization of Catheter Positioning and Dwell Time Distribution in Prostate HDR Brachytherapy

Arieh Gavious, Dan Yamin

Incentives' Effect in Influenza Vaccination Policy

Friday July 20, 2012

Friday 1: 08.30 - 10.00

Keynote Talk

Chair: Walter J. Gutjahr

Xavier Gandibleux

Multiobjective Optimization

Friday 2: 10.30 - 11.30

Chair: Stefano Novellani

Gokhan Kirlik, Serpil Sayin

A New Algorithm for Generating All Non-dominated Solutions for Multiobjective Discrete Optimization Problems

Rui Borges Lopes, Carlos Ferreira, Beatriz Sousa Santos

An interactive method for multi-objective integer and mixed integer programming