

Sunday, 26 February, 2017

10:00 - 12:30	Registration: Registration desk (Atrium C6)		
12:30 - 14:00	Lunch (C6 restaurant)		
14:00 - 14:30	Opening Session: room 6.1.36		
14:30 - 15:20	Plenary Session - room 6.1.36 Alexander Martin - <i>Network flow problems with physical transport</i> Chair: Bernard Fortz		
15:30 - 17:00	Session SC1 - room 6.1.36 Graphs I Chair: S. Raghavan	Session SC2 - room 6.2.53 Logistics Networks Chair: Pedro Castro	Session SC3 - room 6.2.50 Network Design I Chair: Markus Leitner
	Stephan Schwartz The graph segmentation problem	Enrico Malaguti Optimizing allocation in a warehouse network	Eduardo Moreno Computing and maximizing the exact reliability of wireless backhaul networks
	Ruben Becker On numerical stability in network flow interior point methods	Maciek Nowak Integrating resource acquisition and management decisions into tactical transportation planning under uncertainty	Nicolas Huin Energy-efficient service function chain provisioning
	Lilian Markenzon Vulnerability of subclasses of chordal graphs	Maria João Lopes Design of multi-echelon supply chain networks with transportation mode selection and outsourcing opportunities	Mohamed Khalil Labidi A hybrid optimization approach for the Steiner k-connected network design problem
	Walid Ben-Ameur On fractional cut covers	Pedro M. Castro Recent developments in scheduling models for process networks in the petroleum supply chain	Hatice Calik A Benders decomposition based framework for solving cable trench problems
17:00 - 17:20	Coffee break: Atrium C6		
17:20 - 18:50	Session SD1 - room 6.1.36 Trees Chair: Ivana Ljubić	Session SD2 - room 6.2.53 Location Problems Chair: João Pedro Pedroso	Session SD3 - room 6.2.50 Integer Programming Chair: Enrico Malaguti
	Hugo Barbalho The capacitated minimum weighted rooted arborescence problem	Ana Wemans Kernel search for a multi-period single-allocation hub location problem with modular capacities	Martin Comis Budgeted colored matching problems
	Martin Luipersbeck A dual-ascent-based branch-and-bound framework for the prize-collecting Steiner tree and related problems	Marco Casazza Resilient virtual machine placement problem	Joseph Warfel Restaurant reservation management with table combinability
	Pedro Henrique Liguori The asymmetric VPN tree problem: polyhedral results and Branch-and-Cut	Bruna Ramos Column generation based approaches for combined routing and scheduling	Temel Öncan A branch-and-bound algorithm for the minimum cost bipartite perfect matching problem with conflict pair constraints
	Martim Joyce-Moniz Multiple spanning tree protocol: using convex piecewise linear functions for load-balancing	João Pedro Pedroso Orienteering on a continuous surface	Ian-Christopher Ternier ILP models and column generation for the minimum sum coloring problem
19:00 - 20:00	Welcome Reception: C6 restaurant		

Monday (morning), 27 February, 2017

8:30 - 9:00	Registration: Registration desk (Atrium C6)			
9:00 - 9:50	Plenary Session: room 6.1.36 Alexander Schrijver - <i>Routing in a network</i> Chair: Walid Ben-Ameur			
10:00 - 11:10	Session MA1 - room 6.1.36 Optical Networks I Chair: Brigitte Jaumard	Session MA2 - room 6.2.53 Graphs II Chair: Pierre Pesneau	Session MA3 - room 6.2.50 Transportation Networks Chair: Carlos Iglésias	Session MA4 - room 6.2.49 Green Networks I Chair: Maria Grazia Scutellà
	Maddalena Nonato A network model for routing-fault-free wavelength selection in WRONoCs design	Eglantine Camby From Cartesian product graph to a robust communication network	Zhiyuan Lin Redundant coupling/decoupling in train unit scheduling optimization	Michael Kahr Determining optimal locations for charging stations of electric car-sharing under stochastic demand
	Mateusz Żotkiewicz Rational deployment of splitters and OLT cards in FTTH networks	Guillaume Sagnol Approximation hierarchies for the cone of flow matrices	Andrea Pizzuti A sequential value correction heuristic for a bi-objective two-dimensional bin-packing	Markus Sinnl Optimal design of nature reserves considering connectivity and buffer zones
	Julian Enoch Towards Optimal and Scalable Solution for Routing and Spectrum Allocation	Antoine Glorieux Graph orientation and some related problems	Carlos Iglésias A genetic-algorithm for the line planning problem in a railway context	Fabio D'Andreagiovanni Green design of wireless local area networks by multiband robust optimization
11:10 - 11:30	Coffee break: Atrium C6			
11:30 - 12:40	Session MB1 - room 6.1.36 Network Design II Chair: Michael Poss	Session MB2 - room 6.2.53 Virtual Networks Chair: Edoardo Amaldi	Session MB3 - room 6.2.50 Robust Optimization I Chair: Agostinho Agra	Session MB4 - room 6.2.49 Shortest Paths Chair: Rumen Andonov
	Dorabella Santos Compact Models for Critical Node Detection in Telecommunication Networks	Fernanda Souza Compact and extended formulations for the virtual network embedding problem	Zacharie Alès Minimizing the weighted sum of completion times under processing time uncertainty	Andrea Taverna Resilient shortest path problem
	Andrea Pacifici An exact algorithm for a multicommodity min-cost flow over time problem	Meihui Gao Formulations and complexity of the network function virtualization service chaining problem	Marco Silva k-adaptive routing for the robust network loading problem	Lisa Thom Labeling algorithms for the multi-objective robust shortest path problem
	Michael Poss Distance transformation for network design problem	Edoardo Amaldi Virtual network embedding with substrate network expansion	Agostinho Agra A dynamic programming approach for a class of robust optimization problems	Rumen Andonov Global optimization for scaffolding and completing genome assemble
12:40 - 14:00	Lunch (Restaurant "Canto de Letras")			

Monday (afternoon), 27 February, 2017

14:00 - 14:50	Plenary Session: room 6.1.36 Rolf H. Möhring - Integrated scheduling and routing in logistics and traffic Chair: Adam Ouorou		
15:00 - 16:10	Session MC1 - room 6.1.36 Survivability Chair: Michal Pióro	Session MC2 - room 6.2.53 Network Design III Chair: Bernard Gendron	Session MC3 - room 6.2.50 Robust Optimization II Chair: Frauke Liers
	Jean-Francois Baffier Bilevel model for adaptive network flow problem	Imen Mejri An exact approach for the discrete cost multicommodity network design problem	Amadeu A. Coco Formulation and algorithms for the robust maximal covering location problem
	Mohamed Yassine Naghmouchi A bi-level programming model for proactive countermeasure selection in complex ICT systems	Markus Leitner Using variables aggregation and Benders decomposition for solving large-scale extended formulations	Pierre-Louis Poirion Formulations for designing robust networks. An application to wind power collection
	Michael Poss Path generation for affine flow thinning	Bernard Gendron Revisiting lagrangian relaxation for network design	Frauke Liers Robustification of uncertain physical parameters in stationary passive gas networks
16:10 - 16:30	Coffee break: Atrium C6		
16:30 - 18:00	Session MD1 - room 6.1.36 Network Routing I Chair: Elena Fernandez	Session MD2 - room 6.2.53 Optical Networks II Chair: Amaro de Sousa	Session MD3 - room 6.2.50 Health Care Chair: Seong Hyeon Park
	Raquel Bernardino Solving the family traveling salesman problem	Mikaël Capelle Ground stations networks for Free-Space Optical communications: maximizing the data transfer	Yong Ho Choi Effect of public policy on selfish routing healthcare network
	Daniel Santos A new formulation and a branch-and-cut algorithm for multi-depot traveling salesman problems	Marta Pascoal An exact algorithm for calculating the lexicographic maximally SRLG-disjoint path pair of minimal cost in transport telecommunication networks	Hyun Seop Uhm Efficient scheduling rules for hospital emergency department to decrease the length of stay
	Edoardo Fadda Branch & cut for the two-echelon capacitated vehicle routing problem	Vincent Angilella Design of fiber cable tree networks for the Fiber To The Home	Seong Hyeon Park Optimize two-tiered ambulance dispatching and redeployment policy with classification errors in patient severities
	Elena Fernández Multi-depot Rural Postman problems	Fábio Barbosa The design of transparent optical networks minimizing the impact of critical nodes	
19:30 - 22:00	Conference Dinner: Restaurant "Zambeze"		

Tuesday, 28 February, 2017

9:00 - 10:30	Session TA1 - room 6.1.36 Network Routing II Chair: Cristina Requejo	Session TA2 - room 6.2.53 Green Networks II Chair: Paula Carroll	Session TA3 - room 6.2.50 Social Networks Chair: Abílio Lucena
	Yihua Li A generalized decomposition algorithm for real-time truck routing problems	Martina Fischetti Mixed integer linear programming for new trends in wind farm cable routing	Kiyoshi Sawada Adding two edges in levels of a complete binary tree maximizing total shortening distance
	Rui Pedro Deus Heuristic look-ahead methods for mass rescue operations modelled as a generalized vehicle routing model	Georg Brandstätter Charging station placement in a free-floating electric car sharing network	S. Raghavan The one time period least cost influence maximization problem on social networks
	Telmo Pinto Column generation based primal heuristics for routing and loading problems	Daniel De Wolf Optimal design of new hydrogen transmission networks	Ivana Ljubić Clique interdiction in the social network analysis
	Cristina Requejo Lagrangian relaxation bounds for a production-inventory-routing problem	Paula Carroll A genetic algorithm for the green vehicle routing problem	Abílio Lucena An exact algorithm for the perfect edge domination problem
10:30 - 10:50	Coffee break: Atrium C6		
10:50 - 12:00	Session TB1 - room 6.1.36 Network Routing III Chair: Cândida Mourão	Session TB2 - room 6.2.53 Road Networks Chair: Christophe Duhamel	Session TB3 - room 6.2.50 Stochastic Networks Chair: Francisco Saldanha da Gama
	Mario Ruthmair Extended formulations and branch-and-cut algorithms for the black-and-white traveling salesman problem	Elmar Swarat A coarse-to-fine approach to toll inspector rostering	Filipe Rodrigues A hybrid heuristic for a stochastic production inventory routing problem
	Tolga Bektaş Path and speed optimization for conflict-free pickup and delivery under time window	Yipeng Huang Methods for solving road network problems with disruptions	Pierre Hosteins Stochastic models with conditional value at risk for the kidney exchange program
Cândida Mourão Dissimilar arc routing problems	Christophe Duhamel Flow-based models for handling the bi-objective unidirectional road network problem with disruptions	Francisco Saldanha-da-Gama Stochastic uncapacitated r -allocation p -hub median problems: modeling framework and heuristic solutions	
12:00 - 14:00	Lunch (Restaurant "Canto de Letras")		
14:00 - 14:50	Plenary Session - room 6.1.36 William Cook - <i>The traveling salesman problem with road distances</i> Chair: Luís Gouveia		
14:50 - 15:20	Closing Session: room 6.1.36		
15:40 - 19:40	Lisbon Tour: Atrium C6		