

THURSDAY, MAY 5				
ROOM 1			ROOM 2	
<b>OPENING SESSION</b>				
9:00 - 10:40	<u>Traveling Salesman Problem</u>	Arthur Mahéo, Simon Belieres, Yossiri Adulyasak and Jean-François Cordeau. Unified Branch-and-Benders-Cut for Two-Stage Stochastic Mixed-Integer Programs: Application to the Two-Stage TSP with Outsourcing	Machine Learning	Gal Neria and Michal Tzur. The Dynamic Pickup and Allocation with Fairness Problem
	<i>Catherine Lorenz</i>	Rossana Cavagnini, Alina Theiß and Michael Schneider. A tabu search with geometry-based sparsification methods for the angular metric traveling salesman problem	<i>Remy Spliet</i>	Mouad Morabit, Guy Desaulniers and Andrea Lodi. Machine-learning-based arc selection for constrained shortest path problems in column generation
		Catherine Lorenz and Alena Otto. Routing of a robot and a mobile battery swap station with very large-scale neighborhood search		Liana van der Hagen, Niels Agatz, Remy Spliet, Thomas Visser and Leendert Kok. Machine Learning-Based Capacity Checks for Dynamic Time Slot Management
<b>BREAK</b>				
11:00 - 12:15	<u>Stochastic Vehicle Routing</u>	Ymro Hoogendoorn and Remy Spliet. An improved integer L-shaped method for the vehicle routing problem with stochastic demands	Smart City Logistics	Pirmin Fontaine and Stefan Minner. A Branch-and-Repair Method for 3D Bin Selection and Packing in City Logistics
	<i>Fausto Errico</i>	Alline Zanette, Walter Rei and Michel Gendreau. A chance-constrained model for a Production Routing Problem with uncertain availability of vehicles	<i>Olivier Péton</i>	Alon Bloch and Mor Kaspi. Shuttle Scheduling in Automated Parking-lot Systems
		Fausto Errico and Mohsen Dastpak. Off-line Approximate Dynamic Programming for the Vehicle Routing Problem with Stochastic Customers and Demands		Théo Le Colleter, Dorian Dumez, Fabien Lehuédé and Olivier Péton. Parking selection in vehicle routing
<b>LUNCH</b>				
14:00 - 15:40	<u>Service Network Design</u>	Mohamed Kais Msakni, Morten Bergmann, Ahmad Hemmati and Kjetil Fagerholt. Solving an Extended Form of The Feeder Shipping Network Design Problem	Maritime logistics	Jørgen Bjaarstad Nikolaisen, Sofie Smith Vågen and Peter Schütz. Combining Optimization and Simulation to Find Robust Solutions for Maritime Inventory Routing under Uncertainty
	<i>Claudia Archetti</i>	Dipayan Banerjee, Alan Elera and Alejandro Toriello. Fleet Sizing and Service Region Partitioning for Same-Day Delivery Systems	<i>Elena Fernandez</i>	Nazanin Sharif, Mikael Rönnqvist, Jean-François Cordeau, Jean-François Audy, Gurjeet Warya and Trung Ngo. Inverse Optimization for Vessel Route Planning with Multiple Conflicting Objectives
		Gita Taherkhani, Ioana Bilegan, Teodor Gabriel Crainic, Michel Gendreau and Walter Rei. Tactical capacity planning in an integrated multi-stakeholder freight transportation system		Line Reinhardt and Beizhen Jia. Dual-cycling for loading of RoRo Vessels
		Claudia Archetti, Laurent Alfandari and Yanlu Zhao. Capacity Design and Resource Allocation in Online Food Delivery Platforms		Elena Fernández and Manuel Munoz-Marquez. Strategic berth template problems with homogeneous and heterogeneous frequencies
<b>BREAK</b>				
16:00 - 16:50	<u>Vehicle Routing Problem</u>	Gaute Messel Nafstad, Troels Martin Range and Magnus Stålhane. A Branch-Price-and-Cut method for the vehicle routing problem with time windows and convex node costs	Planning Problems	Diego Delle Donne, Laurent Alfandari, Claudia Archetti and Ivana Ljubic. Freight-on-Transit for urban last-mile deliveries: A Strategic Planning Approach
	<i>Michel Gendreau</i>	Isaac Balster, Teobaldo Bulhões, Pedro Munari and Ruslan Sadykov. A new branch-cut-and-price algorithm for the split delivery vehicle routing with time windows	<i>Emma Frejinger</i>	Greta Laage, Emma Frejinger and Gilles Savard. A Two-step Heuristic for the Periodic Demand Estimation Problem
17:00 - (...)	<b>SOCIAL EVENT : DISCOVERING TANGIER</b>			

FRIDAY, MAY 6				
ROOM 1			ROOM 2	
9:00 - 10:40	<u>Scheduling Problems</u>	Benedikt Bienhuels, Antonio Frangioni, Francesco Geraci and Samuela Carosi. A Framework for Disruption Management in the Integrated Timetabling, Bus Scheduling and Driver Scheduling Problem	<u>Location Problems</u>	Gita Taherkhani, Sibel Alumur Alev and Mojtaba Hosseini. Robust-stochastic models for profit maximizing hub location problems
	<i>Ola Jabali</i>	Tommaso Schettini, Michel Gendreau, Ola Jabali and Federico Malucelli. Pattern-Based Timetables for Metro Lines	<i>Nabil Absi</i>	Riccardo Giusti, Daniele Manerba, Teodor Gabriel Crainic and Roberto Tadei. Time-space multi-network formulation for the Synchronodal Location-Transshipment Problem
		Theodoti Kerama and Konstantinos Zografos. A Two-Stage Multi-Objective framework for investigating airport schedule efficiency, fairness, flexibility, and regularity trade-offs		Sara Ahmed, Ana María Anaya-Arenas and Iván Contreras. Hub location and routing with private fleet and optional carrier partial delivery
		Tommaso Schettini, Michel Gendreau, Ola Jabali and Federico Malucelli. A Heuristic Algorithm for the Capacitated Demand-Driven Metro Timetabling Problem		Thibault Prunet, Nabil Absi, Valeria Borodin and Diego Cattaruzza. Branch-Cut-and-Price Algorithm for an Integrated Storage Location Assignment and Picker Routing Problem
10:40 - 11:00	<b>BREAK</b>			
11:00 - 12:15	<u>Stochastic Programming</u>	Adrian Serrano, Javier Faulin and Luis Cadarso. A strategic multistage tactical two-stage stochastic optimization model for the airline fleet management problem	<u>Drones Logistics</u>	Alexander Rave, Pirmin Fontaine and Heinrich Kuhn. Tactical Fleet Planning for Parcel Delivery with Trucks and Drones
	<i>Janosch Ortmann</i>	Marlin Ulmer, Justin Goodson and Barrett Thomas. Optimal Service Time Windows	<i>Louis-Martin Rousseau</i>	Hang Zhou, Chun Cheng, Louis-Martin Rousseau and Hu Qin. A Branch-and-Price Algorithm for the Vehicle Routing Problem with Drones
		Julien Keutchayan, Michael Hewitt, Walter Rei and Janosch Ortmann. Two scenario reduction methods: applications in Transport Planning		
12:15 - 14:00	<b>LUNCH</b>			
14:00 - 15:40	<u>Vehicle Routing Problem</u>	Matteo Petris, Claudia Archetti, Diego Cattaruzza, Maxime Ogier and Frédéric Semet. A branch-price-and-cut algorithm for the Multi-Commodity two-echelon Distribution Problem	<u>Smart City Logistics</u>	Joachim Daduna and Julia Pahl. Smart city logistics as an essential element in the revitalization of inner-city centers
	<i>Fabien Lehuédé</i>	Emeline Leloup, Célia Paquay and Thierry Pironet. A Capacitated Vehicle Routing Problem with pickups, Time Windows and 3D packing constraints: a mathematical formulation	<i>Teodor Gabriel Crainic</i>	Onkar Kulkarni, Mathieu Dahan and Benoit Montreuil. Large-Scale Hyperconnected Relay-Based Transportation Network Design
		Ivona Gjeroska and Sergio Garcia. An exact method for the two-stage multi-period vehicle routing problem with depot location		Pengli Mo, Lucas Petrus Veelenturf and Yu Yao. The Vehicle Routing Problem with Underground Logistics
		Gauthier Soleilhac, Fabien Lehuédé, Juliette Médina and Olivier Péton. A Large Neighborhood Search for a Pickup and Delivery Problem With Transshipment Facilities		Teodor Gabriel Crainic and Nicoletta Ricciardi. Thirty Years of Operations Research and City Logistics
15:40 - 16:00	<b>BREAK</b>			
16:00 - 17:15	<u>Vehicle Routing Problem</u>	Simen Vadseth, Henrik Andersson, Magnus Stålhane and Masoud Chitsaz. A multi-start route improving matheuristic for the production routing problem	<u>Service Network Design</u>	Lacy Greening, Jisoo Park, Mathieu Dahan, Alan Erera and Benoit Montreuil. Middle Mile Consolidation Network Design with Flexible Lead-Time Constraints: A Profit Maximization Model

	<i>Jorge Mendoza</i>	Daniele Manerba, Renata Mansini, Sandra Ulrich Ngueveu and Roberto Zanotti. A Piecewise Linear Bounding Approach for the Continuous Pollution Routing Problem	<i>Mike Hewitt</i>	Simon Belieres, Mike Hewitt, Nicolas Jozefowicz and Frederic Semet. Meta Partial Benders Decomposition for the Logistics Service Network Design Problem
		Jorge E. Mendoza, Nicolás Cabrera and Jean-François Cordeau. Solving a large-scale park-and-loop technician routing problem: the case of a public utility		

SUNDAY, MAY 8				
ROOM 1			ROOM 2	
10:30 - 12:10	<u>Electric vehicle Routing</u>  <i>Barrett Thomas</i>	Ece Naz Duman, Bülent Çatay and Duygu Taş. Solving the Electric Vehicle Routing Problem with Time Windows Using Pulse Algorithm	<u>Humanitarian Logistics</u>	Alfredo Moreno, Valérie Bélanger, Marilene Cherkesly and Marie-Ève Rancourt. Evacuation network design under traffic congestion
		Yue Su, Nicolas Dupin and Jakob Puchinger. A Column-generation-based heuristic for the Electric Autonomous Dial-a-Ride Problem	<i>Marie-Ève Rancourt</i>	Rosemarie Santa González, Teodor Gabriel Crainic, Marie-Eve Rancourt and Marilene Cherkesly. The Stochastic Prize Collection Problem
		Maria Elena Bruni and Ola Jabali. The Electric Vehicle Routing with a Charge-Up-to Policy		Roberto Aringhieri, Sara Bigharaz, Davide Duma and Alberto Guastalla. Evaluating different fairness modelling approaches in Post Disaster Ambulance Routing
		Sara Reed, Ann Campbell and Barrett Thomas. Impact of Autonomous Vehicle Assisted Last-Mile Delivery in Urban to Rural Settings		Jessica Rodriguez-Pereira, Burcu Balcik, Gilbert Laporte and Marie-Ève Rancourt. Collaborative logistics network design for disaster preparedness and cost-sharing mechanisms
12:10- 14:00	<b>LUNCH</b>			
14:00 - 15:40	<u>Terminal Management</u>  <i>Alejandro Toriello</i>	Alastair Main, Dario Pacino and Filipe Rodrigues. The Dynamic RORO Stowage Planning Problem	<u>Last Mile Logistic</u>	Minakshi Punam Mandal and Claudia Archetti. A Decomposition Approach to Last-Mile Delivery Using Public Transportation Systems
		Baptiste Coutton, Dario Pacino, Martin Philip Kidd, Klaus Holst and Stefan Guericke. The Multi-Class Constrained Bin Packing Problem	<i>Simona Mancini</i>	Davide Croci, Ola Jabali and Federico Malucelli. The Fair p-Median Problem
		Allyson Silva, Leandro C. Coelho, Maryam Darvish and Kees Jan Roodbergen. Estimating optimal ABC zone sizes in manual warehouses		Margaretha Gansterer and Simona Mancini. Bundle Generation for Last-Mile Delivery with Occasional Drivers
		Ignacio Erazo and Alejandro Toriello. Submodular Dispatching		
15:40 - 16:00	<b>BREAK</b>			
16:00 - 16:50	<u>Vehicle Routing Problem</u>  <i>Jeffrey Ohlmann</i>	Manuel Trotta, Claudia Archetti, Dominique Feillet and Alain Quilliot. Pickup and delivery problems with autonomous vehicles on rings	<u>Physical Internet</u>	Khalil Jharni, Mustapha Hlyal and Jamila El Alami. Physical Internet: Success factors by analogy
		Sara Stoia, Demetrio Laganà, Jeffrey Ohlmann. A stochastic and dynamic pickup and delivery problem with time dependent travel times	<i>Mathieu Dahan</i>	Jingze Li, Benoit Montreuil, Mathieu Dahan and Miguel Campos. Trucker-sensitive Hyperconnected Relay-based Transportation: An Operating System
18:00 - (...)	<b>GALA DINNER</b>			

MONDAY, MAY 9				
ROOM 1			ROOM 2	
9:15 - 10:30	<u>Scheduling Problem</u>	Christian Ackermann and Julia Rieck. Multiple Plan Approach for Dynamic Dial-a-Ride Problems	<u>Supply Chain</u>	Stefan Voigt, Markus Frank, Pirmin Fontaine and Heinrich Kuhn. Vehicle Routing Problem with Availability Profiles
	Rafael Martinelli	Thierry Garaix, Philippe Lacomme, Nicolay Tchernev and Iván Peña-Arenas. An Exact Label Setting Algorithm for the Truck Driver Scheduling Problem considering European Community Social Legislation		Aldair Alvarez, Jean-François Cordeau and Raf Jans. Production Routing with Consistency Requirements
		Victor Abu-Marrul, Rafael Martinelli, Silvio Hamacher and Irina Gribkovskaia. A Simulation-Optimization Approach for a Complex Parallel Machine Scheduling Problem		Cristian Cortés
10:30 - 10:45	BREAK			
10:45 - 12:00	<u>Vehicle Routing Problem</u>	Ester Lorente, Jaume Barcelo, Esteve Codina and Klaus Noekel. A Simulation System for Intermodal Assignment of Public Transport and Ride Pooling Services	<u>Machine Learning</u>	Walter Rei, Emilia Grass, Burcu Balçık and Janosch Ortmann. A Machine Learning Approach to deal with Ambiguity in Humanitarian Decision Making - Application to a Shelter Location Problem
	Remy Spliet	Remy Spliet, Ymro Hoogendoorn and Daniele Vigo. Single-period waste collection with sensors		Kaoutar Hajli, Mikael Rönnqvist, Jean-François Audy, Jean-François Cordeau, Camélia Dadouchi, Gurjeet Warya and Trung Ngo. Prediction of fuel consumption of bulk carriers based on historical routes, meteorological data and vessel characteristics
		Anton Kleywegt and Hongzhang Shao. Optimizing Pricing, Repositioning, En-Route Time, and Idle Time in Ride-Hailing Systems		Eric Larsen, Emma Frejinger, Bernard Gendron and Andrea Lodi. Fast Continuous and Integer L-shaped Heuristics through Supervised Learning
12:00 - 14:00	LUNCH			