

Monday, July 15

Session	Chair	Time	Room
Registration		13:00-18:00	Sky Lounge
Tutorial by Warren Powell: A Unified Framework for Optimization Under Uncertainty in Transportation and Logistics	Karl Dörner	14:30-16:00	Sky Lounge
Opening Session: Welcome address by Nikolaus Hautsch (Dean), Richard Hartl (Organizing Committee), Jan Fabian Ehmke (TSL Officer)		16:00-16:30	Sky Lounge
Keynote by Martin Bichler: Optimized but Inefficient? Why Logistics Markets need Design	Rudolf Vetschera	16:30-17:30	Sky Lounge
Welcome Reception		17:30-21:00	Sky Lounge

Tuesday, July 16

Registration		8:00-12:00			Sky Lounge
Session	Chair	09:00-09:30	09:30-10:00	10:00-10:30	Room
1A: Crowdsipping	Jean-Francois Cordeau	Crowdsipping with Stochastic Occasional Drivers and Time Windows Fabian Alejandro Torres Duran, Walter Rei and Michel Gendreau	The Role of Crowdsippers in an Integrated Item-sharing and Crowdsipping Setting Moritz Behrend and Frank Meisel	Crowdsourced Logistics: The Pickup and Delivery Problem with Transshipments and Occasional Drivers Stefan Voigt and Heinrich Kuhn	Sky Lounge
1B: On-demand systems	Alexander Hübner	Revenue management model for logistic on-demand systems Shadi Sharif Azadeh, Benoit Montreuil and Yousef Maknoon	Choice-based dynamic dial-a-ride problem for on-demand transportation Bilge Atasoy, Shadi Sharif Azadeh, Yousef Maknoon, Michel Bierlaire and Moshe Ben-Akiva	A Hierarchical Approach Enabling Supplier Choice in On-Demand Platforms Jennifer Pazour and Seyed Shahab Mofidi	HS15
1C: Shared mobility	Ulrich Derigs	Modeling Service Class Constraints in Autonomous Mobility-on-Demand Systems: A Data-Driven Approach for Dispatching and Rebalancing Vehicles Breno Beirigo, Frederik Schulte and Rudy Negenborn	Combining people and freight flows using a scheduled transportation line with stochastic passenger demands Aboud Mourad, Jakob Puchinger and Tom Van Woensel	Routing Optimization for On-Demand Ridesharing: Formulation, Algorithm and Implication Wei Zhang, Kai Wang and Shuaian Wang	HS16

Coffee break		10:30-11:00			Sky Lounge
Session	Chair	11:00-11:30	11:30-12:00	12:00-12:30	Room
2A: Routing games	Michel Gendreau	Courteous or Crude? Understanding and Shaping User Behavior in Ride-hailing Sasa Pekec, Yunke Mai, Bin Hu, Yuhao Hu and Zilong Zou	Verifiable Stability in Collaborative Transport Mathijs van Zon, Remy Spliet and Wilco van den Heuvel	The Joint Network Vehicle Routing Game Mathijs van Zon, Remy Spliet and Wilco Van Den Heuvel	Sky Lounge
2B: Carsharing & Ridesharing	Tal Raviv	Station location and vehicle distribution for round-trip car sharing systems Pieter Smet, Federico Mosquera, Emmanouil Thanos and Toni Wickert	A Network Flow Approach to Relocating Vehicles and Assigning Operators for Large-Scale One-Way Carsharing Systems Hanjun Fu, Chi Xie, Bo Zou and Peng Chen	A Dynamic, Peer-to-peer Ridesharing Model for Transit First Mile Access Problem Pramesh Kumar and Alireza Khani	HS15
2C: Ride-hailing	Michael Hewitt	On the Analysis of Time-Space Flow Model Reformulation of Dial-A-Ride Problem for Autonomous Taxi System Zhiheng Xu and Jee Eun Kang	Control of Autonomous Electric Fleets for Ridehail Systems Justin Goodson, Nicholas Kullman, Jorge E. Mendoza and Martin Cousineau	A Learning Large Neighborhood Search for The Dynamic Electric Autonomous Dial-A-Ride Problem Claudia Bongiovanni, Mor Kaspi, Jean-François Cordeau and Nikolas Geroliminis	HS16
Lunch		12:30-13:30	 Rebhuhn GASTHAUS IN DER BERGGASSE		
Excursion		13:30-21:00			

Wednesday, July 17

Session	Chair	09:00-09:30	09:30-10:00	10:00-10:30	Room
3A: Platooning	Tom van Woensel	A Network Design Approach for the Restricted Truck Platooning Problem Szymon Albinski, Teodor Gabriel Crainic and Stefan Minner	Service network design with mixed autonomous fleets and cooperative platooning Yannick Oskar Scherr, Bruno Albert Neumann-Saavedra, Mike Hewitt and Dirk Christian Mattfeld	Consideration of Platoons in Models of Vehicle Routing Problems Jörn Schönberger	Sky Lounge
3B: Ridesharing	Justin Goodson	Geographic Pricing in Ridesharing Services Mehdi Behroozi	Inferring commuter's values of time in ride-sourcing service: a multi-stage deep learning approach Yili Tang and Hai Yang	Can ride-sharing alleviate traffic congestion? Jintao Ke, Zhengfei Zheng and Hai Yang	HS15
3C: Bikes and parking lots	Sasa Pecec	The Station Location Problem of Bike Sharing Systems Vilde Graven Stokke, Vilde Schliekelmann Barth, Kjetil Fagerholt and Henrik Andersson	Optimal Scheduling of Advance Reservations for Shared Parking Systems Yun-Chu Hung and Chung-Cheng Lu	Stable Exchange for Commute-Driven Sharing of Private Parking Lots Minghui Lai, Xiaoqiang Cai and Qian Hu	HS16
Coffee break		10:30-11:00			Sky Lounge
Session	Chair	11:00-11:30	11:30-12:00	12:00-12:30	Room
4A: Parcel delivery	Stefan Minner	Reliable Parcel Routing Policy in a Physical Internet Tal Raviv and Ido Orenstein	Sequence and Speed Optimization for Delivery Robots Stefan Schaudt and Tolga Bektas	Service Network Design with Scheduled Lines for City Logistics Mike Hewitt, Tom van Woensel and Lucas Veelenturf	Sky Lounge


4B: Online order fulfillment	Jörn Schönberger	Pricing for Goods Deliveries in the Sharing Economy Luce Brotcorne, Anton Kleywegt and Youcef Magnouche	A Continuous Solution Method for the Multi-Visit Drone Routing Problem Adriano Masone, Stefan Poikonen and Bruce L. Golden	Omni-channel grocery retailing: an approach for multi-depot order fulfillment Alexander Hübner, Manuel Ostermeier and Christian Dethlefs	HS15
4C: Redistribution of goods	Jakob Puchinger	A Branch and Price algorithm for the Pickup and Delivery Problem with Transfers Cristián E. Cortés, Michel Gendreau, Cristiam Gil and Pablo A Rey	The multi-attribute two-echelon location-routing problem with fleet synchronization at intermediate facilities David Escobar Vargas, Claudio Contardo and Teodor Gabriel Crainic	Optimizing routing and delivery patterns with multi-compartment vehicles Manuel Ostermeier, Alexander Hübner, Markus Frank, Andreas Holzapfel and Heinrich Kuhn	HS16
Lunch		12:30-14:00	 Rebhuhn GASTHAUS IN DER BERGGASSE		

Session	Chair	14:00-14:30	14:30-15:00	15:00-15:30	Room
5A: Carsharing	Dominique Feillet	Comparison of Different Carsharing Relocation Modes: Classification and Feature-Based Selection Layla Martin, Stefan Minner and M. Grazia Speranza	The Dynamic Relocation Problem for Electric Carsharing Services Simen Hellem, Carl Andreas Julsvoll, Magnus Nyborg Moan, Henrik Andersson, Kjetil Fagerholt and Giovanni Pantuso	Stable dispatch for shared autonomous vehicles Michael Levin and Di Kang	Sky Lounge
5B: Freight transportation	Anton Kleywegt	Inland waterway efficiency through skipper collaboration and joint speed optimization Julian Golak, Veerle Timmermans, Alexander Grigoriev and Christof Defryn	Integrating drayage decisions in intermodal container routing Hilde Heggen, Yves Molenbruch, An Caris and Kris Braekers	Decomposition Methods for Dynamic Load Planning and Driver Management in LTL Trucking Hugo Simao and Warren Powell	HS15
5C: Sharing of electric vehicles	Heinrich Kuhn	Doubly-constrained rebalancing for one-way electric carsharing systems with capacitated charging stations Theodoros Pantelidis, Li Li, Tai-Yu Ma, Joseph Chow and Saif Jabari	Charging station placement in free-floating electric car sharing systems Georg Brandstätter, Markus Leitner and Mario Ruthmair	On the Range Anxiety for Electric Vehicles: An Empirical Investigation Sang Won Kim, Ho-Yin Mak, Marcelo Olivares and Ying Rong	HS16
Coffee break		15:30-16:00			Sky Lounge

Session	Chair	16:00-16:30	16:30-17:00	17:00-17:30	Room
6A: Crowd-sourced logistics	Teodor Crainic	Mobile Facility Location Problem in Crowd-shipping Kianoush Mousavi, Merve Bodur and Matthew Roorda	Integrated Matching and Routing for Crowd-Shipping systems Tom van Woensel	Workforce Scheduling for Service Routing with Crowdsourced Drivers Marlin Ulmer and Martin Savelsbergh	Sky Lounge
6B: Carrier alliances	Claudius Steinhardt	Cooperation of customers in traveling salesman problems with profits Ondrej Osicka, Mario Guajardo and Kurt Jörnsten	Multi-objective optimization framework for the integration of individual partner interests in a collaborative location-inventory model Thomas Hacardiaux, Christof Defryn and Jean-Sébastien Tancrez	An Exchange Economy Approach to Coordinating Resource Sharing for Carrier Alliances Zhou Xu, Xiaofan Lai and Liming Liu	HS15
6C: Presentations of Vienna's FEAT project	Rudolf Vetschera	Comparing Mechanisms for Request-Exchange Collaborative Transportation Daniel Nicola	The PDP with alternative locations and overlapping time windows Alina-Gabriela Dragomir, Tom Van Woensel and Karl Doerner	A study of fairness objectives as incentive for collaboration between carriers Adria Soriano, Margaretha Gansterer and Richard F. Hartl	HS16
Conference Dinner		19:00-Open end			Vienna City Hall

Thursday, July 18 2019

Session	Chair	09:00-09:30	09:30-10:00	10:00-10:30	10:30-11:00	Room
7A: Collaborations	Frank Meisel	Analyzing the impact of delays in an integrated mobility system Yves Molenbruch and Kris Braekers	Dynamic Prices as Incentives for Collaborative Transportation: Using Side Payments for Individually Rational and Stable Horizontal Cooperation Bilge Atasoy, Eduardo Lalla-Ruiz, Frederik Schulte and Stefan Voß	Analysis on Impacts and Characteristics of Collaborative Pickup Lockers Necati Oguz Duman and Ozlem Ergun	Experience with a Real-Time DSS for Cooperative Planning at an Express Carrier Ulrich Derigs, Sascha Dahl and Stafan Ems	Sky Lounge
7B: Carsharing and -pooling	Markus Leitner	How Scheduling Advances Affect Level of Service, Critical Mass, and Fleeting in Smartphone-Based Vanpooling Donghui Li, Constantinos Antoniou, Hai Jiang, Wei Shen, Liang Zhang and Weijian Han	The Value of Prepositioning in Smartphone-Based Vanpool Services Under Stochastic Requests and Time-Dependent Travel Times Donghui Li, Constantinos Antoniou, Hai Jiang, Qianyan Xie, Wei Shen and Weijian Han	A Globally Convergent Discrete Simulation-Based Optimization Algorithm for Complementing Transit Accessibility with Car-Sharing Service Tianli Zhou and Carolina Osorio	Predictive dynamic relocations in carsharing systems implementing journey reservations Martin Repoux, Mor Kaspi, Burak Boyaci and Nikolas Geroliminis	HS15
Coffee break		11:00-11:30				Sky Lounge
Keynote by Michal Tzur: Integrating Objective-Driven Operational, Design and Strategic Decisions in Transportation Sharing	Bruce Golden	11:30-12:30				Sky Lounge

		 Rebhuhn GASTHAUS IN DER BERGGASSE			
Lunch		12:30-13:30			
Session	Chair	13:30-14:00	14:00-14:30	14:30-15:00	Room
8A: Sharing systems	Marlin Ulmer	Collaborative Pickup and Delivery Problems with Time Windows and Heterogeneous Vehicles Cornelius Rüther and Julia Rieck	Modeling and solving the multimodal car- and ride-sharing problem Miriam Enzi, Sophie N. Parragh, David Pisinger and Matthias Prandtstetter	Stakeholder requirements to the design of a cooperatively used urban logistics hub Sonja Maria Protic and Patrick Hirsch	Sky Lounge
Closing Session: Margaretha Gansterer (Organizing Committee)		15:00-15:30			Sky Lounge
Farewell Reception		15:30-Open end			Sky Lounge