

| Date | Time | Room | Session | Paper ID | Authors | Title |
|----------------------|------------|------|--|----------|--|---|
| Monday, June 23rd | 8:30-10:00 | 1 | Humanitarian Logistics Chair: Riki Kawase | 20 | Yiqi Cai and S Sun. | Optimizing customized bus routing and maximum seat occupancy rate under the influence of epidemic outbreaks |
| | | | | 55 | Nastaran Ozaldad, Esther Jose, Rajan Batta and Miguel Lejeune. | UAV Search and Routing Planning In a Disaster Area |
| | | | | 412 | Riki Kawase. | Multi-stage distributionally robust optimization for pre- and post-disaster humanitarian logistics with information constraints |
| | | 2 | Shared and Autonomous Vehicles Chair: Abdel Lisser | 162 | Mengjie Li, Haoning Xi and Chi Xie. | Dynamic operations of shared autonomous electric vehicle system considering battery swapping station bottleneck congestion |
| | | | | 253 | Seshadri Naik Moode, Francesc Soriguera, Bryce Chao and Margarita Martínez-Díaz. | Lane Management Strategies to Enhance Traffic Performance in Mixed Traffic Environments with Platoons of Connected Autonomous Vehicles |
| | | | | 72 | Abdel Lisser and Ange Valli. | Continuous-time optimal control for trajectory planning of autonomous vehicles under joint probabilistic constraints |
| | | 3 | Travel Behavior Analysis Chair: Makoto Okumura | 231 | Makoto Okumura, Yuri Sawamura and Hiromichi Yamaguchi. | Grasp the Amount and Service Level of Directionally Predominant Traffic Using Hourly Population Distribution of Docomo's Mobile Spatial Statistics Data |
| | | | | 37 | Rolf van Lieshout and Kevin Dalmeijer. | A Unified Approach to Evaluation and Routing in Public Transport Systems |
| | | | | 452 | Jian Li, Tian Gan, Weifeng Li and Yuhang Liu. | A spatiotemporal knowledge graph-based method for identifying individual activity locations from mobile phone data |

| | | | | | | |
|----------------------|-------------|---|---|-----|---|--|
| Monday, June 23rd | 10:30-12:00 | 1 | Integrated Freight and Passenger Transport Chair: Maximilian Schiffer | 441 | Yue Lin, Hai Yang and Hai Wang. | Group-and-Match vs. Route-then-Insert - Order Dispatching in Vehicle-Based Dual Services (VeDuS) |
| | | | | 212 | Paul Bischoff, Benedikt Lienkamp, Tarun Rambha and Maximilian Schiffer. | Dynamic capacity allocation for cargo-hitching in urban public transportation systems |
| | | 2 | Mechanism Design Chair: Mike Hewitt | 12 | Steffen Elting, Jan Fabian Ehmke and Margaretha Gansterer. | Preference learning for efficient bundle selection in horizontal transport collaborations |
| | | | | 457 | Qingyang Li and Fangni Zhang. | Crowdshipping platform as an intermediary: Auction-based mechanism design for order allocation and payment schemes |
| | | 3 | Discrete Choice Model 1 Chair: Yu Gu | 27 | Rui Yao and Kenan Zhang. | Perturbed utility Markovian choice model: choice probability generation function and estimation |
| | | | | 211 | Yu Gu and Anthony Chen. | An exponentiated random utility model (ERUM): Properties and application to bounded travel choice |
| | | | | 199 | Valentina Gómez, Andrés Fielbaum and Sergio Jara-Díaz. | The theoretical role of the pure transfer penalty when determining whether to split a public transport line |

| | | | | | | |
|----------------------|-------------|---|--|-----|---|--|
| Monday, June 23rd | 13:30-15:30 | 1 | Consolidation-Based Freight Services Chair: Teodor Gabriel Crainic | 156 | Onkar Kulkarni, Mathieu Dahan and Benoit Montreuil. | Designing Relay-Hub Networks for Consolidation Planning Under Demand Uncertainty |
| | | | | 13 | Teodor Gabriel Crainic. | Multi-layer Network Design for Consolidation-based Transportation Planning |
| | | | | 17 | Gita Taherkhani, Hao Li, Mike Hewitt and Sibel Alumur Alev. | Hub location and service network design under uncertainty |
| | | | | 148 | Mike Hewitt, Simon Belieres and François Clautiaux. | The Scheduled Service Network Design Problem with Bin Packing and Heterogenous Fleets |
| | | 2 | Reinforcement Learning based VRP Chair: Joseph Chow | 38 | Farnoosh Namdarpour and Joseph Chow. | Non-myopic Matching and Rebalancing in Large-Scale On-Demand Ride-Pooling Systems Using Simulation-Informed Reinforcement Learning |
| | | | | 247 | Federico Berto, Chuanbo Hua, Nayeli Gast Zepeda, André Hottung, Niels Wouda, Leon Lan, Junyoung Park, Kevin Tierney and Jinkyoo Park. | A Foundation Model for Vehicle Routing Problems |
| | | | | 254 | Chuanbo Hua, Federico Berto, Jiwoo Son, Seunghyun Kang, Changhyun Kwon and Jinkyoo Park. | Learning Profile-Aware Vehicle Routing Problems with Collaborative Attention |
| | | | | 143 | André Hottung, Paula Wong-Chung and Kevin Tierney. | Learning destroy operators for vehicle routing problems with deep neural networks |
| | | 3 | Network Design 1 Chair: Zhou Xu | 388 | Lacy Greening, Alan Erera and Santanu Dey. | Improving Dual Bounds for the Unsplittable Multicommodity Capacitated Network Design Problem |
| | | | | 29 | Shengnan Shu, Zhou Xu and Roberto Baldacci. | An Enhanced Dynamic Discretization Discovery Algorithm for Continuous-Time Service Network Design Problem |
| | | | | 404 | Rob Zuidwijk, Camill Harter and Otto Koppius | Vulnerability of Collaborative Transport Networks |
| | | | | 15 | Myungeun Eom, Alan Erera and Alejandro Toriello. | Recursive Partitioning and Batching for Massive-Scale Network Design with Service Time Guarantees |

| | | | | | | |
|----------------------|-------------|---|---|-----|---|--|
| Monday, June 23rd | 16:00-18:00 | 1 | Timetabling 1 Chair: Konstantinos G. Zografos | 337 | Florian Fuchs, Bernardo Martin-Iradi and Francesco Corman. | A Logic-Based Benders Decomposition Approach for Cyclic Microscopic Timetabling |
| | | | | 484 | Weihua Gu, Li Zhen, Minyu Shen and Le Zhang. | Nonlinear and Ready-to-depart Based Bus Holding Control |
| | | | | 110 | Bianca Pascariu and Paola Pellegrini. | A GRASP-based solution for real-time train route selection in disturbed railway traffic |
| | | | | 144 | Jia Hui Zhu, Dennis Huisman and Twan Dollevoet. | Iterative Two-Stage Stochastic Programming Approach for Real-Time Rolling Stock Rescheduling Under Uncertainty |
| | | 2 | Stochastic Programming Chair: Kenetsu Uchida | 382 | Laura Kolcheva, Antoine Legrain and Martin Trépanier. | ONLINE STOCHASTIC OPTIMIZATION FOR REAL-TIME TRANSFER SYNCHRONIZATION IN PUBLIC TRANSIT NETWORKS |
| | | | | 385 | Jiali Deng and Giovanni Pantuso. | Pricing carsharing services under decision-dependent demand uncertainty: A two-stage stochastic programming approach |
| | | | | 160 | Breno Serrano, Alexandre Jacquillat, Stefan Minner and Maximilian Schiffer. | Optimizing ride-hailing with a mix of on-demand and pre-booked customers under distributional shift |
| | | | | 292 | Yimeng Zhang, Jingyi Cheng, Oded Cats and Shadi Sharif Azadeh. | Stochastic Optimization under Supply Uncertainty for Multimodal Trip Planning Based on Demand Prediction |
| | | 3 | Graph Neural Network Chair: Tingting Zhao | 278 | Changle Song, Emily Moylan and David Levinson. | Aggregated Knowledge Learning for Dynamic Vehicle-Task Assignment in Emergency Medical Services |
| | | | | 181 | Mingxue Guo, Tingting Zhao, Jianxi Gao, Xin Meng and Ziyao Gao. | Discovering and Quantifying Extreme Failure Scenarios through Graph Learning for Road Transportation Systems |
| | | | | 464 | Elena Natterer, Roman Engelhardt, Sebastian Hörl and Klaus Bogenberger. | Machine Learning Surrogates for Optimizing Transportation Policies with Agent-Based Models |

| | | | | | | |
|-----------------------|------------|---|---|-----|---|---|
| Tuesday, June 24th | 8:30-10:00 | 1 | Last-Mile Delivery 1 Chair: Emanuele Manni | 23 | Mikele Gajda, Olivier Gallay, Renata Mansini and Filippo Ranza. | Leveraging public transit for efficient last-mile delivery through crowdshipping |
| | | | | 204 | Gianpaolo Ghiani, Emanuela Guerriero, Emanuele Manni and Deborah Pareo. | Sustainable last-mile logistics with parcel lockers and autonomous delivery robots |
| | | | | 206 | Dipayan Banerjee and Ignacio Erazo. | Batching and In-Building Delivery Routing with Capacitated Residential Parcel Lockers |
| | | 2 | Column Generation 1 Chair: Vikrant Vaze | 101 | Alberto Santini and Vikrant Vaze. | Integrated Regional Airline Scheduling Via Column Generation |
| | | | | 213 | Louis Fourcade and Stéphane Dauzère-Pérès. | Combining Lagrangian relaxation and a two-set column generation model for integrated railway freight planning |
| | | | | 141 | Rick Willemsen and Bart Van Rossum. | A Column Generation Heuristic for the Three-Dimensional Truck Loading Problem |
| | | 3 | Urban Planning and Science Chair: Jean-François Cordeau | 456 | Anju Kawazu and Kuniaki Sasaki. | A Study on the Tour and Consumption Behavior at Station Areas in Considering the Green Coverage |
| | | | | 65 | Jean-François Cordeau, Nicolas Cabrera and Jorge Mendoza | The Dynamic Park-and-loop Routing Problem |

| | | | | | | |
|-----------------------|-------------|---|---|-----|--|--|
| Tuesday, June 24th | 10:30-12:00 | 1 | Drone and Air Mobility Control 1 Chair: Guglielmo Lulli | 407 | Wenjia Zeng, Ruiwei Jiang, Hai Yang and Hai Wang. | Drone Delivery Network Design with Uncertainties |
| | | | | 433 | Go Nam Lui and Guglielmo Lulli. | A mixed integer programming approach for airspace sector design problem |
| | | | | 163 | Wenxuan Wang, Mai Zhang, Ethan Beech, Arnab Majumdar, Washington Ochieng and Jose Escribano. | Risk-based truck-drone delivery optimization |
| | | 2 | Vehicle Routing Problem 1 Chair: Song Gao | 491 | Guocheng Jiang and Song Gao. | A Model-Based Approach to Vacant Vehicle Routing of a Ride-Sourcing Fleet in Transportation Networks |
| | | | | 257 | Christoph Kerscher, Stefan Minner, Fabien Lehuédé and Guillaume Massonnet. | Decomposition and Set Covering Strategies for Large-Scale Heterogeneous Vehicle Routing Problems |
| | | | | 344 | Wenbin Ouyang, Sirui Li, Yining Ma and Cathy Wu. | Learning to Segment for Capacitated Vehicle Routing Problems |
| | | 3 | Survey and Sensing Chair: Makoto Chikaraishi | 420 | Amir Ahmadian, Mehdi Nourinejad and Matthew Roorda. | Logistics of Urban Monitoring with Moving Sensors |
| | | | | 276 | Carlos Lima Azevedo, Marta Conceicao, Sonja Haustein, Paulo Morgado and Bruno Miranda. | A naturalistic experiment on individual activity, mobility and emotional patterns |
| | | | | 366 | Reem Alolabi and Makoto Chikaraishi. | Striking a Balance: Co-Training Framework for Enhancing Survey Accuracy While Reducing Respondent Burden in Travel Data Collection |

| | | | | | | |
|-----------------------|-------------|---|---|-----|--|---|
| Tuesday, June 24th | 13:30-15:30 | 1 | Timetabling 2 Chair: Jiateng Yin | 245 | Robin Gaborit, Yu Jiang, Evelien van der Hurk and Otto Anker Nielsen. | An adaptive large neighbourhood search with MILP and heuristic repair operators for bus timetabling |
| | | | | 351 | Pedro José Correia Duarte, Lucas Petrus Veelenturf and Dennis Huisman. | Modeling and Optimising Infrastructure Upgrade Deployment in Railway Networks Operating Cyclic Timetables |
| | | | | 489 | Boris Grimm and Ralf Borndorfer. | Passenger Based Intermodal Connection Optimization of the Italian Passenger Railway Network |
| | | | | 16 | Jiateng Yin, Hanxiao Fan, D'Ariano Andrea and Rui Wang. | Data-Driven Train Timetabling with Contextual Information |
| | | 2 | Robust Optimization Chair: Koki Satsukawa | 410 | Ritesh Ojha and Alan Erera. | Robust Outbound Load Planning with Volume Splitting for Parcel Carriers |
| | | | | 58 | Mikkel Lassen Johansen, David Pisinger and Stefan Røpke. | A Consensus Fixing Based Heuristic for Liner Shipping Network Design with Stochastic Demands |
| | | | | 115 | Ze Wang, Zhiqi Shao, Michael G.H. Bell, D. Glenn Geers and Junbin Gao. | Optimizing Skip Schedules for Construction and Demolition Waste Management under Uncertainty |
| | | | | 130 | Yihan Gao and Wei Liu. | Robust planning of bus fleet electrification and charging facility deployment |
| | | 3 | Integrating Fixed-Route and On-Demand Transit Chair: Vikrant Vaze | 154 | Yifei Sun and Vikrant Vaze. | Integrated Urban Transportation Network Design for Alleviating Transit Deserts |
| | | | | 329 | Bernardo Martin-Iradi, Francesco Corman and Nikolas Geroliminis. | Capacity planning for demand-responsive multimodal transit |
| | | | | 474 | Alexandre Jacquillat, Bernardo Martin-Iradi, Alexandria Schmid and Kayla Cummings. | Deviated Fixed-route Microtransit: Design and Operations |
| | | | | 283 | Alexandre Jacquillat, Julia Yan, Arthur Delarue and Shriya Karam. | Microtransit design: fixed-line transit, on-demand mobility, or both? |

| | | | | | | |
|-----------------------|-------------|---|--|-----|---|---|
| Tuesday, June 24th | 16:00-18:00 | 1 | Logistics optimization 1 Chair: Toru Seo | 147 | Dorsa Abdolhamidi and Virginie Lurkin. | A time-slot management problem with mixed logit demand |
| | | | | 275 | Yousef Maknoon, Maurice Hart Nibbrig and Shadi Sharif Azadeh. | An Integrated Framework for Network-Wide Assessment and Improvement of Supply Chain Resilience |
| | | | | 348 | Adnan Pasha, Jiyin Liu and Rajat Rastogi. | A Parallel Berth Allocation Problem in Multipurpose Inland Waterway Terminals |
| | | | | 191 | Toru Seo and Riki Kawase. | Facility and dynamic fare design for multimodal automated vehicle logistics system under traffic flow constraints |
| | | 2 | Game Theory 1 Chair: Negin Alisoltani | 431 | Ozan Candogan and Manxi Wu. | Information design for spatial resource allocation |
| | | | | 419 | Ang Xu and Chiwei Yan. | Optimal Dispatching for Two-sided Spatial Queues |
| | | | | 357 | Negin Alisoltani, Mostafa Ameli, Megan Khoshyaran and Jean-Patrick Lebacque. | Mean-Field Game Optimization in Bounded-Acceleration Traffic Models for CAVs |
| | | | | 19 | Zhaohan Wang, Mohsen Ramezani and David Levinson. | Autonomous vehicle control on lane-free roads: A level-k game approach |
| | | 3 | On-Demand Mobility 1 Chair: Francesco Viti | 96 | Richard Connors, Haruko Nakao, Tai-Yu Ma and Francesco Viti. | Continuous Approximation Model for a Demand Responsive Feeder Service with Meeting Points |
| | | | | 5 | Francisco Vilches, Cristián E. Cortés and Andrés Fielbaum. | Selecting an optimal set of shared ridepooling stops |
| | | | | 268 | Haruko Nakao, Koki Satsukawa, Takamasa Iryo, Richard Connors and Sowa Suzuki. | Evolutionary process of self-financed shared mobility systems |
| | | | | 398 | Lory Michelle Bresciani Miristice and Guido Gentile | Improving the convergence of Schedule-Based Dynamic Transit Assignment Models with capacity constraints |

| | | | | | | |
|------------------------|------------|---|---|-----|--|--|
| Thursday, June 26th | 8:30-10:00 | 1 | Traffic and Transit Assignment 1 Chair: Judith Y. T. Wang | 102 | Judith Y. T. Wang, Richard P. Batley, Matthias Ehrgott, Pornpimon Boriman and Thanathorn Phoka | A Multi-objective User Equilibrium of Time Loss in Congestion and Time Surplus |
| | | | | 150 | Debojjal Bagchi and Stephen D. Boyles | Error bounds for stochastic user equilibrium traffic assignment |
| | | | | 117 | Zenghao Hou and Ludovic Leclercq | Multimodal stochastic user equilibrium of a tradable credit scheme considering vehicle capacity and passenger waiting time |
| | | 2 | Distributed Control and Decentralized Allocation Chair: Mohsen Ramezani | 274 | Alireza Soltani, David Levinson and Mohsen Ramezani | Communication-free Distributed Model Predictive Control for Autonomous Vehicles at Lane-free and Signal-free Intersections |
| | | | | 133 | Yuhao Liu, Zhibin Chen, Joseph Y.J. Chow and Xi Lin | First-come-first-served Decentralized Assignment of Capacitated Resources with Partially Observable User Preference |
| | | | | 242 | Zhongyang Lu and Andy H. F. Chow | Modeling paradigm for adaptive decentralized traffic control via a rollout reinforcement learning approach |
| | | 3 | Sustainable Transport Planning Chair: Junji Urata | 297 | Yingtian Zhang and Gege Jiang | Incentive Scheme for Low-carbon Travel Based on the Public-private Partnership and Personal Trip Carbon Accounts |
| | | | | 304 | Jinshu Cai, Yanyan Ding and Sisi Jian | Optimal Pricing and Reputation Investment for Sustainable Aviation Fuel with Herd Effects and Heterogeneous Customers |
| | | | | 316 | Ahmad Rusdiansyah, Ratna Sari Dewi and Zara Safira Ramadhani | Refrigerated Container Loading Problem (R-CLP) Models for Managing Arrangement of Smart Containers |

| | | | | | | |
|------------------------|-------------|---|---|-----|--|---|
| Thursday, June 26th | 10:30-12:00 | 1 | Last-Mile Delivery 2 Chair: Takamasa Iryo | 447 | Minghao Chen, Zhiyuan Shi, Ang Li and Max Z. Li | Scheduling and Routing for Multi-modal Last-mile Delivery under Multiple Uncertainties |
| | | | | 314 | Yang Bo, Milind Dawande and Ganesh Janakiraman | Food-Delivery Platforms: A Near-Optimal Policy for Capacity Sizing, Order Batching, and Spatial Routing |
| | | 2 | Two-Sided Markets Chair: Yuki Oyama | 289 | Yue Yang and Mohsen Ramezani | The intraday competition in a duopoly ride-hailing market |
| | | | | 124 | Hai Yang and Joseph Chow | A scalable three-sided electric Mobility-as-a-Service assignment game model with charging activity |
| | | | | 290 | Guipeng Jiao, Yue Yang and Mohsen Ramezani | On the Joint Effects of Supply and Demand Multi-homing in the e-hailing Market |
| | | 3 | Data-Driven Analysis 1 Chair: Haoning Xi | 73 | Huichang Lee, Prateek Bansal, Khoa D. Vo and Eui-Jin Kim | Collaborative generative adversarial networks for fusing household travel survey and smart card data to generate heterogeneous activity schedules |
| | | | | 293 | Xiaoshu Ding, Haoning Xi, Han Fang and Sisi Jian | Data-driven optimization of pricing and vehicle relocation for ridesourcing platforms considering reservation |
| | | | | 449 | Xinghang Zhu, Xiaoxu Chen, Luis Miranda-Moreno and Lijun Sun | Uncovering Unmet Demand in Bike-sharing Systems Based on Bayesian Gaussian Decomposition of Time-varying OD Tensor |

| | | | | | | |
|------------------------|-------------|---|--|-----|---|---|
| Thursday, June 26th | 13:30-15:30 | 1 | Dynamic Fleet Management Chair: Tai-Yu Ma | 307 | Julie Kienzle, Teodor G Crainic and Emma Frejinger | Blocking and Railcar Fleet Management for Intermodal Rail Transportation |
| | | | | 182 | Tai-Yu Ma, Richard Connors and Francesco Viti | Coordinated vehicle dispatching and charging scheduling for an electric ride-hailing fleet under charging congestion and dynamic prices |
| | | | | 414 | Dingtong Yang, Yubin Liu, Hai Wang, Jinhua Zhao and Hamsa Balakrishnan | Minimum Multi-Service Fleet Size Problem: Shareability Graph and Network Flow Approach |
| | | | | 445 | Tarek Chouaki and Sebastian Hörl | Analysis and mitigation of discriminatory behaviour in fleet management algorithms |
| | | 2 | Reinforcement Learning Chair: Prateek Bansal | 333 | Qiming Ye, Prateek Bansal and Bryan Adey | A Reinforcement Learning Approach to Plan Charging Stations for Shared Electric Vehicles |
| | | | | 340 | Jim Dai, Manxi Wu and Zhanhao Zhang | Atomic Proximal Policy Optimization for Electric Robo-Taxi Dispatch and Charger Allocation |
| | | | | 111 | Yang Deng, Andy Chow and Zhili Zhou | Fair Courier Assignment and Dynamic Food Pricing via Multi-Agent Reinforcement Learning with Communication |
| | | 3 | Equity-Based Transportation Management Chair: Daisuke Fukuda | 100 | Kayla Cummings, Vikrant Vaze, Ozlem Ergun and Cynthia Barnhart | Multimodal Transportation Pricing Alliance Design: Large-Scale Optimization for Rapid Gains |
| | | | | 347 | Khadidja Kadem, Mostafa Ameli, Carlos Lima Azevedo, Mahdi Zargayouna and Latifa Oukhellou | Shared mobility services: exploring their impact on equity in multimodal transportation systems |
| | | | | 487 | Jing Gao and Sen Li | Regulating Autonomous Ride-Hailing Services for an Equitable Multimodal Transportation Network |

| | | | | | | |
|------------------------|-------------|---|---|-----|---|---|
| Thursday, June 26th | 16:00-18:00 | 1 | Timetabling 3 Chair: Roberto Maria Rosati | 244 | Roberto Maria Rosati, Valentina Cacchiani and Vera Hemmelmayr | A Multi-Neighborhood Search Approach to Rolling Stock Rescheduling |
| | | | | 97 | Shouyi Wang, Andy Chow and Chengshuo Ying | Adaptive routing and scheduling of network-wide rail transit services with flexible train composition |
| | | | | 152 | Hoang Thi Khue Nguyen, Dennis Huisman and Paul Bouman | Solving Train Timetabling Adjustment Problems with integrated track assignments |
| | | | | 317 | Estia Maliqari, Dritan Nace, Antoine Jouglet and Giuliana Barbarino | Optimization of railway resource planning process in a multi-level scale |
| | | 2 | Vehicle Routing Problem 2 Chair: Bilge Atasoy | 250 | Yu Yao and Pengli Mo | Time-Dependent Vehicle Routing Problem in Subway-Assisted Delivery Systems |
| | | | | 301 | Pedro Zattoni Scroccaro, Peyman Mohajerin Esfahani and Bilge Atasoy | Inverse Optimization for Dynamic Vehicle Routing |
| | | | | 334 | Nele Bertling, Kevin Tierney and Michael Römer | Quantile-based Sequential Learning and Optimization for Contextual Stochastic Vehicle Routing |
| | | 3 | Disaster Management Chair: Valentina Morandi | 255 | Valentina Morandi, M.Grazia Speranza and Lorenzo Peirano | Real-time control of traffic flows under disruptive events |
| | | | | 61 | Miguel Lejeune, Francois Margot and Alan Delgado de Oliveira | Prompt and Reliable Medical Evacuation with Air Ambulances |
| | | | | 132 | Ruri Sase and Satoshi Sugiura | Excess-demand isolation vulnerability analysis based on a bipartitioning minimum cut |

| | | | | | | |
|-------------------|------------|---|--|-----|---|--|
| Friday, June 27th | 8:30-10:00 | 1 | Logistics Optimization 2 Chair: Ricardo Giesen | 198 | Gal Neria, Michal Tzur and Marlin Ulmer | A General Optimization Framework for Dynamic Two-Stage Order Fulfillment Problems |
| | | | | 405 | Ricardo Giesen, Dario Farren and Luis Ignacio Rizzi | Economics of Empty Trips and Collaborative Logistics |
| | | | | 483 | Cigdem Karademir and Bilge Atasoy | Two-echelon city logistics by integrating road and water transport: Amsterdam case study |
| | | 2 | Vehicle Routing Problem 3 Chair: Pirmin Fontaine | 71 | Zhenjun Tian, Zhaoxia Guo, Feng Guo, Mouna Bamoumen and Jan Fransoo | A deep attention model for solving vehicle routing problems with uncertain parking availability |
| | | | | 151 | Pirmin Fontaine and Johannes Gückel | Fast Shapley Value approximation in routing problems through machine learning models |
| | | 3 | Discrete Choice Model 2 Chair: Giancarlos Parady | 66 | Giancarlos Parady, Ko Inagaki and Kiyoshi Takami | Estimating the Joint Accessibility of Group Travel: A Case Study of Leisure Activities in The Greater Tokyo Area |
| | | | | 493 | Ronghui Liu and Bo Zhou | Rationally Inattentive Route Choice: A Link-Based Model |
| | | | | 256 | Heqing Tan, Yu Gu and Anthony Chen | Are travelers more satisfied with more options offered? A choice set paradox |

| | | | | | | |
|-------------------|-------------|---|---|-----|--|---|
| Friday, June 27th | 10:30-12:00 | 1 | Resilience Chair: Hajime Watanabe | 374 | Md Tabish Haque, Jan Eisold and Nikola Besinovic | Resilience of Railway Stations: Impacts of Strategic Infrastructure Modifications |
| | | | | 195 | Takumi Mori, Hiroe Ando and Ryuji Kakimoto | Development of network generation model with the properties of real road networks by machine learning |
| | | 2 | Column Generation 2 Chair: Negin Alisoltani | 365 | Negin Alisoltani, Younes Delhoum, Mostafa Ameli and Mahdi Zargayouna | Optimizing Shared Mobility: A Penalized Column Generation Model for Peer-to-Peer Ride-Sharing |
| | | | | 270 | Yahan Lu, Rolf van Lieshout, Layla Martin and Lixing Yang | Line planning under crowding: A row-and-column generation approach |
| | | | | 471 | Tarun Rambha | Optimized Itinerary Planning for Tourist Attractions |
| | | 3 | OD Estimation Chair: Chao Zhang | 443 | Arwa Alanqary, Chao Zhang, Yechen Li, Neha Arora and Carolina Osorio | Improving simulation-based origin-destination demand calibration using sample segment counts data |
| | | | | 76 | Giovanni Tataranno, Federico Bigi and Francesco Viti | Dynamic OD Matrix Estimation using Data-Driven Modelling under Data-Scarcity: an application of Sparse Variational Gaussian Process |
| | | | | 207 | Marisdea Castiglione, Guido Cantelmo, Ernesto Cipriani and Marialisa Nigro | Advancing Dynamic Origin-Destination Matrices Estimation Models Using Crowd-Sourced Flexibility Data |

| | | | | | | |
|-------------------|-------------|---|---|-----|--|--|
| Friday, June 27th | 13:30-15:00 | 1 | Drone and Air Mobility Control 2 Chair: Yun Hui Lin | 170 | Yun Hui Lin and Qingyun Tian | Urban Air Mobility Service Network Design: Ridership Maximization and Exact Solution Algorithm |
| | | | | 406 | Ricardo Modrego and Sofia Perez-Guzman | Optimization of Drone and Truck Operations for Socially Optimal Disaster Relief Distribution |
| | | | | 279 | Claudia Archetti, Maurizio Boccia, Adriano Masone and Claudio Sterle | A new MILP formulation and a Branch-and-cut Algorithm for the TSP with Release Dates and Drone Resupply |
| | | 2 | Network Design 2 Chair: Ryuichi Tani | 202 | Simon Belieres, Yannick Oskar Scherr and Mike Hewitt. | Integration of Hub Capacity Acquisition Decisions in the Scheduled Service Network Design Problem |
| | | | | 69 | Sorachi Matsumoto, Ryuichi Tani and Kenetsu Uchida | Fast heuristic for global optimization of continuous network design problem with stochastic user equilibrium |
| | | | | 378 | Gabriel Deza, Michal Tzur and Tal Raviv | Line Network Design for Parcel Routing with Handling Times |
| | | 3 | Data-Driven Analysis 2 Chair: Takao Dantsuji | 153 | Marija Kukic and Michel Bierlaire | Gibbs Sampler for Generating Longitudinal Synthetic Populations |
| | | | | 167 | Zhi Li, Ma Wei, Zhibin Chen and Minghui Zhong | Deep Generative Networks for Synthesizing Data on Electric Vehicle Driving and Charging Events |
| | | | | 326 | Paul de Nailly, Etienne Côme, Angelo Furno and Latifa Oukhellou | A data fusion framework for the estimation of dynamic multimodal OD flows within urban areas |

| | | | | | | |
|-------------------|-------------|---|--|-----|---|---|
| Friday, June 27th | 15:30-17:00 | 1 | Traffic and Transit Assignment 2 Chair: Hiroe Ando | 470 | Jean-Patrick Lebacque and Megan Khoshyaran | Complex dynamics in transportation networks in the context of assignment |
| | | | | 203 | Yuzhen Feng and Wei Liu | Budget-constrained user equilibrium: A quasi-variational inequality approach |
| | | 2 | Game Theory 2 Chair: Kenan Zhang | 123 | Zhanhao Zhang, Ruifan Yang and Manxi Wu | Designing High-Occupancy Toll Lanes: A Game-Theoretic Analysis |
| | | | | 53 | Xuhang Liu, Kenan Zhang and Rui Yao | Population Markov Potential Game: An Alternative Framework for Markovian Traffic Assignment |
| | | | | 320 | Bing Song and Sisi Jian | Privacy-Preserving Contextual Personalized Dynamic Pricing for Ride-Hailing Platforms |
| | | 3 | On-Demand Mobility 2 Chair: Yusuke Hara | 397 | Youngseo Kim, Sirui Li, Hins Hu, Wenbin Ouyang, Samitha Samaranayake and Cathy Wu | Learning to Prune: Fast Feasible Trip Generation for High-capacity Ridepooling |
| | | | | 85 | Joachim Andreasen, Frederik Sørensen, Asger Tang, Carolin Schmidt, Daniele Gammelli, Francisco Pereira and Filipe Rodrigues | Learning-based control of AMoD in competitive environments |
| | | | | 121 | Euntak Lee, Rim Slama and Ludovic Leclercq | Assessing the Resilience of Rebalancing Strategies for Ride-hailing Services in Multi-modal Transportation System |