

Time		MT-ITS2021 Day 1 - June 16 www.mt-its2021.org			
08:45 09:00		Welcome (Prof. Antoniou)			
09:00 10:00		Keynote - Prof. Kay Axhausen			
		Session 1a - Pricing and control I		Session - 1b Traffic Assignment	
		<u>Authors</u>	<u>Title</u>	<u>Authors</u>	<u>Title</u>
10:15	10:21	Loder A, Otte T	A new concept of connecting congestion with parcel delivery operations	Codeca L, Viti F, Cahill V, Haerri J	Comparing Multi-Modal Traffic Assignments in Large-Scale Simulations using the Macroscopic Fundamental Diagram: Mode Shift from Cars to Powered Two Wheeler
10:21	10:27	Zhou Q, Mohammadi R, Zhao W, Zhang K, Zhang L, Wang Y, Roncoli C, Hu S	Queue Profile Identification at Signalized Intersections with High-Resolution Data from Drones	Bari C, Gupta U, Chandra S, Antoniou C, Dhamaniya A	Examining Effect of Electronic Toll Collection (ETC) System on Queue Delay Using Microsimulation Approach at Toll Plaza -A Case Study of Ghoti Toll Plaza, India
10:27	10:33	Iacobucci R, Schmöcker J	Dynamic pricing for ride-hailing services considering relocation and mode choice	Armellini M	A Tool for Simulating Demand Responsive Transport Systems in SUMO
10:33	10:39	Liu R, Jiang Y, Lima Azevedo C	Bayesian Optimization of Area-based Road Pricing	Caballini C, Sacone S	Simulation of novel algorithms to reduce truck congestion at container terminals
10:39	10:45	Zhou Z, Roncoli C	Computationally efficient dynamic assignment for on-demand ridesharing in congested networks	Rahimi M, Ghandeharioun Z, Kouvelas A, Corman F	Multi-modal management actions for public transport disruptions: an agent-based simulation
10:45	11:30	Panel discussion		Panel discussion	
11:30 11:45		coffee break			
		Session 2a - Connected Autonomous Vehicles I		Session 2b - ITS and Big data I	
		<u>Authors</u>	<u>Title</u>	<u>Authors</u>	<u>Title</u>
11:45	11:51	Malekzadeh M, Papamichail I, Papageorgiou M, Bogenberger K	Optimal Control of Internal Road Boundary for Lane-free Automated Vehicle Traffic	Guo H, Xie K, Keyvan-Ekbatani M	Lane Change Detection Using Naturalistic Driving Data
11:51	11:57	Jiang L, Xie Y, Wen X, Chen D, Li T, Evans N	Dampen the Stop-and-Go Traffic with Connected and Automated Vehicles – A Deep Reinforcement Learning Approach	Yfantis L, Stebbins S, Gerostathopoulos I, Djukic T, Casas J, Garcia D, Kamargianni M, Chaniotakis E	A Software-Agnostic Agent-based Platform for Modelling Emerging Mobility Systems
11:57	12:03	Bilal M, Giglio D	Inequity evaluation for land use and transportation model on introduction of autonomous vehicles	Abu-Aisha A, Harfouche R, Katrakazas C, Antoniou C	A New Methodology To Infer Travel Behavior Using Floating Car Data
12:03	12:09	Gikas V, Spiliotakopoulos K, Stratakos I, Sotiriou P, Perakis H, Pelekoudas D	PEGASUS - Development of a prototype, self-trained, truck driver coaching system based on geolocation, IoT and BI techniques: Design considerations, system setup and preliminary	Alam M, Al Haddad C, Antoniou C, Carreiras C	A big data-as-a-service architecture for naturalistic driving studies
12:09	12:15	Hamadneh J, Esztergár-Kiss D	Evaluating Onboard Multitasking on Mode Choice: Conventional Car and Autonomous Vehicle	Sophia Fuchs (David Duran-Rodas)	Who uses shared micromobility? Exploring users' social characteristics beyond sociodemographics
12:15	13:00	Panel discussion		Panel discussion	
13:00 14:00		Lunch break			
		Session 3a -Traffic Control		Session 3b -Demand modelling	
		<u>Authors</u>	<u>Title</u>	<u>Authors</u>	<u>Title</u>
14:00	14:06	de Luca S, Di Pace R, Fiori C, Storani F	Combining Macroscopic and Microscopic Traffic Flow Models for Hybrid Traffic Flow Representation	Ros-Roca X, Montero L, Barceló J, Nökel K	Dynamic Origin-Destination Matrix Estimation with ICT Traffic Measurements using SPSA
14:06	14:12	Rinaldi M, Viti F	Observability based data-fusion cascading filtering for urban network flow estimation	Fatola A, Ma T, Antoniou C	Modeling and Forecasting Individual On-Demand Upcoming Trips
14:12	14:18	Vallati M, Chrapa L	Effective Real-Time Urban Traffic Routing: An Automated Planning Approach	Koca D, Schmöcker J, Fukuda K	Origin-destination matrix estimation by deep learning using maps with New York case study
14:18	14:24	Mohammadi R, Roncoli C	Assessment of connected vehicle information quality for signalised traffic control	Akova H., Hulagu S., and Celikoglu H. B.	Effects of energy consumption on cost optimal recharging station locations for e-scooters
14:24	14:30	Batista S, Lopez C, Menendez M	On the partitioning of urban networks for MFD-based applications	Tinessa F, Marzano V, Tinessa F, Simonelli F, Papola A	Improving o-d Flows Updating through Aggregation of o-d Pairs: Methodological Formulation and Performance Analysis of a Heuristic Algorithm
14:30	15:15	Panel discussion		Panel discussion	
15:15 15:30		coffee break			
		Session 4a -Public transport I		Session 4b -Traffic Safety - models, data and management	
		<u>Authors</u>	<u>Title</u>	<u>Authors</u>	<u>Title</u>
15:30	15:36	Taparia A, Brady M	Bus Journey and Arrival Time Prediction based on Archived AVL/GPS data using Machine Learning	Yang K, Al Haddad C, Yannis G, Antoniou C	Driving Behavior Safety Levels: Classification and Evaluation
15:36	15:42	Arslan, Reichert M, Sellaouti A, Hoffmann S	Investigation of Personal Rapid Transit Station Capacities using Microscopic Traffic Simulations	Calvi A, D'Amico F, Ferrante C, Bianchini Ciampoli L	A Driving Simulator Study for Assessing the Potential of Augmented Reality Technology to Improve the Safety of Passing Maneuvers
15:42	15:48	Calcagno P, Consilvio A, Di Febraro A, Sacco N	Reshaping metro station spaces to improve social distancing during covid-19 pandemic	Pilkington-cheney F, Afghari A, Filtness A, Papadimitriou E, Lourenço A, Brijs T	The i-DREAMS intervention strategies to reduce driver fatigue and sleepiness for different transport modes
15:48	15:54	Islam M, Fonzone A, Fountas G	Access to Ubiquitous Real-Time Information by Bus Passengers in Urban Contexts	Islam M, Nieto R, Chou K, Kang X, Katrakazas C	Multi-criterial assessment of road crashes for different modes and consequences for land-use in London
15:54	16:00	Bilal M, Sarwar S, Giglio D	Optimization of public transport route assignment via travel time reliability	Ezzati Amini R, Michelaraki E, Katrakazas C, Al Haddad C, De Vos B, Cuenen A, Yannis G, Brijs T, Antoniou C	Risk scenario designs for driving simulator experiments
16:00	16:45	Panel discussion		Panel discussion	
16:45 17:00		coffee break			
17:00 18:00		Keynote - Prof. George Yannis			