Time		MT-ITS2021 Day 2 - June 17 www.mt-its2021.org			
		Session 1a - Pric Authors	ing and control II <u>Title</u>	Session 1b - ITS Authors	S and big data II Title
09:00	09:06		Effectiveness of FASTag System for Toll Payment in India		Investigation and Modeling on Drivers' Route and Departure Time Choices from a Big Data Set of Floating Car Data
09:06	09:12	Zhang Y, Fricker J	Investigating Smart Traffic Signal Controllers at Signalized Crosswalks: A Reinforcement Learning Approach	Nguyen J, Stern R	Modeling oscillatory car following using deep reinforcement learning based car following models
09:12	09:18	Gong X, Ma T, Antoniou C	Network Traffic Dynamics Prediction with a Hybrid Approach: Autoencoder-VAR	Gemma A, Mannini L, Carrese S, Cipriani E, Crisalli U	A Gaussian Mixture Model Data Fusion Approach for Urban Travel Time Forecast
09:18	09:24	Korentzelou A, Petraki V, Papantoniou P, Yannis G	Investigating the acceptance of an environmental transport charging policy. The case of Athens.	Dyrmishi S, Hadachi A	Mobile Positioning and Trajectory ReconstructionBased on Mobile Phone Network data: A Tentative Using Particle Filter
09:24	09:30	Lentzakis A, Seshadri R, Ben-Akiva M Panel di	Affinity Matrix Learning through Subspace Clustering for Tolling Zone Definition	Seipel K, Zhao C, Seipel K, Hoyer R	Optimization of the traffic flow in public transport through C-ITS
09:30 10:15	10:15 10:30			Panel discussion break	
		Session 2a - Mob Authors	oility as a Service Title	Session 2b - Non-motorized modes I Authors Title	
10:30	10:36	Engelhardt R, Bogenberger K	Benefits of Flexible Boarding Locations in On- Demand Ride-Pooling Systems	Kaparias I, Miah S, Clegg S, Gao Y, Waterson B, Milonidis E	Measuring the effect of highway design features on cyclist behavior using an instrumented bicycle
10:36	10:42	Tang Q, Armellini M	An ant colony algorithm with penalties for the dial-a-ride problem with time windows and capacity restriction	D'Andreagiovanni F, Carrese S, Nardin A, Giacchetti T, Zamberlan L	Seek & Beautify: integrating UAVs in the optimal beautification of e-scooter sharing fleets
10:42	10:48	Kucharski R, Cats O	MaaSSim - agent-based two-sided mobility platform simulator	Nigro M, Carrese S, Giacchetti T, Algeri G, Ceccarelli G	Analysis and Management of E-scooter sharing service in Italy
10:48	10:54	Al-salih W, Esztergár-Kiss D	Effects of Individual Characteristics on Travel Behavior: An Application of the Multinomial Logit Model	Hamad S, Ma T, Antoniou C	Analysis and Prediction of Bikesharing Traffic Flow – Citi Bike, New York
10:54 11:00	11:00 11:45	Esztergár-Kiss D, Mátrai T, Aba A	MaaS framework realization as a pilot demonstration in Budapest	Ceccarelli G, Cantelmo G, Nigro M, Antoniou C	Machine Learning from imbalanced data-sets: an application to the bike-sharing inventory problem scussion
11:45	12:00			break	
		Session 3a -Connected Authors	Autonomous Vehicles II <u>Title</u>	Session 3b - Non-i <u>Authors</u>	notorized modes II <u>Title</u>
12:00	12:06	lacobucci R, Donhauser J, Schmöcker J, Pruckner M	Frequency Control Reserve Provision from a Fleet of Shared Autonomous Electric Vehicles	Papathanasopoulou V, Spyropoulou I, Perakis H, Gikas V, Andrikopoulou E	Classification of pedestrian behavior using real trajectory data
12:06	12:12	Coelho M, Coelho M, Bandeira J	Emission and safety impacts of automated vehicle penetration in a university campus	Malik F, Dala L, Busawon K	Intelligent nanoscopic road safety model for cycling infrastructure
12:12	12:18	Shang M, Stern R	A hybrid fundamental diagram for modeling mixed human and automated traffic flow	Huber S	Synthetization of bicycle route data from aggregate GPS-based cycling data and its utility for bicycle route choice analysis
12:18	12:24	Mattas K, Albano G, Ciuffo B	Traffic impacts of commercial Adaptive Cruise Control time-gap policy	Huber S, Lißner S, Lindemann P, Muthmann K, Schnabel A, Friedl J	Modelling bicycle route choice in German cities using open data, MNL and the bikeSim web-app
12:24	12:30 13:15	Negro P, Ridderskamp D, Paul M, Fehn F, Bogenberger K Panel di	Cost Structures for On-Demand Mobility Providers in the Context of Vehicle Electrification and Automation	Johnson D, Chaniotakis E	Innovative last mile delivery concepts: Evaluating last mile delivery using a traffic simulator scussion
13:15	14:00			break	
		Session 4a -Transport modeling in European research projects: implications, ideas and synergi		Sessin 4b - AUTOTRAC project	
		<u>Authors</u> <u>Title</u>		AUOTOTRAC2020 Final Event.	
14:00	14:06	Josep Maria Salanova Grau	Intro: The Levitate, Momentum, and Harmony projects		
14:06	14:12	Josep Maria Salanova Grau	Planning the supply side of sharing and on- demand mobility systems MOMENTUM - https://h2020-momentum.eu/	The session will host the final event of the AUTOTRAC 2020 robotic competition organised by the European Commission Joint Research Centre, where the three teams still in the running will compete against each others to identify the winning team. More information on the competition can be found at the following link:	
14:12	14:18	Mark Brackstone	Multi-resolution assessment framework of connected and autonomous mobility services for strategic planning LEVITATE - https://levitate-project.eu/	https://ec.europa.eu/jrc/en/event/other-event/jrc-autotrac-2020-how-future-road-transport- will-look	
14:18	14:24	Santhanakrishnan Narayanan	Aggregate four-step models and disaggregate agent-based models, but what is in between? MOMENTUM - https://h2020-momentum.eu/	Auotrac: https://ec.europa.eu/jrc/en/event/other-event/autotrac-2020-final-event Link to the final event: https://ecconf.webex.com/ecconf/j.php?MTID=m2b83212a342fb104b7a619e774f63a27	
14:24	14:30	Manos Chaniotakis	A Software-Agnostic Agent-based Platform for Modelling Emerging Mobility Systems HARMONY - https://harmony-h2020.eu/	Panel discussion	
14:30 15:15	15:15 15:30			break	
		Session 5a -Pul <u>Authors</u>	blic transport II <u>Title</u>	Session 5b -Fr <u>Authors</u>	eight transport <u>Title</u>
15:30	15:36	Buijtenweg A, Verma T, Cats O, Donners B, Wang H	Quantifying the hierarchy of public transport networks	Musolino G, Rindone C, Vitetta A	A modelling framework to simulate paths and routes choices of freight vehicles in sub-urban areas
15:36	15:42	Ballis H, Alogdianakis F, Nikolaou P, Stylianou K, Dimitriou L	Fusion of General Transit Feed Specification (GTFS) and passenger count data: A case study on Cyprus Transit System	Amin S, Ali L, Wehbi M	Backpropagation Algorithms of Neural Networks to construct the Railway Track Deterioration Model
15:42	15:48	Gentile G, Bresciani Miristice L, Tiddi D, Meschini L	The Hyper Run Assignment Model: simulation on a diachronic graph of congested transit networks with fail-to-board probabilities at stops	Büchel B, Spanninger T, Corman F	Modeling Evolutionary Dynamics of Railway Delays with Markov Chains
15:48	15:54	Bosi T, D'Ariano A., Amorosi L, Luca Giacco G.	A Fast and Effective Greedy Heuristic for On-line Train Calendars Generation	Gallo F, Di Febbraro A, Giglio D, Sacco N	Planning and optimization of passenger railway services with virtually coupled trains
15:54	16:00	Drabicki A,, Cats O, Kucharski R	Can real-time crowding information help mitigate bus bunching?	Spanninger T, Büchel B, Corman F	Probabilistic Predictions of Train Delay Evolution
16:00 16:45	16:45 17:00	Panel di		Panel di e break	scussion
17:00 18:00	18:00 18:15	Keynote - Prof. Kara Kockelman			
18:00	18:15	Closing remarks (Prof. Antoniou)			