MATSim User Meeting 2023 - Program

Time	Title	Presenters	Room
8:30-9:00	Coffee		HIT E 51
9:00-9:05	Welcome	Kay Axhausen	HIT E 51
9:05-9:35	Introduction	Kai Nagel	HIT E 51
9:40-10:40	**Session I-A**		HIT E 51
9:40-10:00	Modelling the impact of activity duration on utility-based scheduling decisions: a comparative analysis	Janody Pougala, Tim Hillel and Michel Bierlaire	
10:00-10:20	Approximation of point equilibria in MATSim	Gunnar Flötteröd	
10:20-10:40	Enhancing Deep Generative Models for Distinguishing Sampling Zeros and Structural Zeros in Population Synthesis	Donghyun Kwon and Inhi Kim	
9:40-10:40	**Session I-B**		TBD
9:40-10:00	Obtaining spatial charging demand from road transport and analysing the resulting charging infrastructure need using ev contrib	Mattias Ingelström, Hamoun Pourroshanfekr Arabani, Mats Alaküla and Francisco J. Márquez-Fernández	
10:00-10:20	The role of the MATSim model in assessing Paratransit performance in a data-scarcity context	Mohamed Elgohary and Paola Pucci	
10:20-10:40	Multi-Stakeholder Interests in Urban Transport Design: A Bi-Level Optimization Approach for Activity-Based Network Design Problems	Sebastian Brulin	
	Coffee Break		
11:10-12:30	**Session II-A**		HIT E 51
11:10-11:30	Improving bike travel demand generation with dynamic data: an application to the Paris Metropolis	Guoxi Feng, Azise Oumar Diallo and Alexandre Chasse	
11:30-11:50	Simulating active modes with Hermes	Katarzyna Kozlowska and Fred Shone	

11:50-12:10	A MATSim-based Framework for Modelling the Influence of the Built Environment on Walkability and Cyclability	Corin Staves, Sm Labib, Irena Itova, Qin Zhang, James Woodcock, Rolf Moeckel and Belen Zapata-Diomedi	
12:10-12:30	Hybrid Traffic Simulation Framework for the Evaluation of Mobility Innovations – a Case Study in Munich	Fabian Schuhmann, Jörg Schweizer and Fabian Netzler	
11:10-12:30	**Session II-B**		TBD
11:10-11:30	Extending the DRT module to enable simulations of pre-booked MoD services	Tarek Chouaki and Sebastian Hörl	
11:30-11:50	Researching the impact of extreme weather events on an On-Demand Transport service - A case study	Simon Meinhardt and Sydney Paltra	
11:50-12:10	Dynamic ride-sharing for MATSim – presenting the DRS module	Eyad Nassar, Markus Straub and Johannes Müller	
12:10-12:30	Generation of Demand-Responsive Transport Scenarios Library in MATSim	Chengqi Lu and Michal Maciejewski	
	Lunch break in Bellavista		
14:00-15:30	**Session III-A**		HIT E 51
14:00-14:20	Batsim - Post processing MATSim for EV energy scenarios	Fred Shone and Kasia Kozlowska	
14:20-14:40	Integrating MATSim into a Comprehensive Multi-Model Platform for Analysis and Planning of Sustainable Electromobility Scenarios	Marcelo Matus-Acuña, Gonzalo Bustos-Turu, Tomás Cox, Mónica Zamora Zapata, Williams Calderón-Muñoz, Ignacio Ceballos, Bárbara Silva, Lorenzo Reyes-Chamorro, Chariel Chávez Mancilla, María Del Pilar Buitrago-Villada, Fernando Peña Cortés, Eduardo Fernández Soto, Alejandro Tirachini, Leonardo Camus, Carlos García Bujanda, Gianluca Falcone Araya and Luis Di Stefano	
14:40-15:00	Simulation-based investigation of transport policies - a case study in Gladbeck	Gregor Rybczak	
15:00-15:20	MATSim in the Open Digital Twin Platform	Jascha Grübel, Carlos Vivar Rios, Chenyu Zuo, Stefan Ivanovic, Robin M. Franken, Sabrina Ossey, Milos Balac, Yanan Xin, Martin Raubal, Kay W. Axhausen and Oksana Riba-Grognuz	

14:00-15:30	**Session III-B**		TBD
14:00-14:20	Shared Autonomous Vehicles as Park-and-Ride Transfer Alternatives Towards Cities with Zero Private Vehicles: A MATSim Simulation Study for Brussels, Belgium	Jingjun Li, Evy Rombaut and Lieselot Vanhaverbeke	
14:20-14:40	Mitigating Urban Traffic Congestion: A Multi-Modal Approach Including DRT for Jerusalem	Golan Ben-Dor, Aleksey Ogulenko and Itzhak Benenson	
14:40-15:00	Evaluation of the Low Emission Zone according to the evolution of car-ownership: The Métropole du Grand Paris case study	Azise Oumar Diallo, Pierre Michel, Guoxi Feng and Alexandre Chasse	
15:00-15:20	Developments of Urban Air Mobility Analyses using Multi-Agent Transport Simulation	Ansgar Kirste and Eike Stumpf	
	Coffee Break		
16:00-17:20	**Session IV-A**		HIT E 51
16:00-16:20	Open-source based methodology for creating small-scale commercial traffic for MATSim simulations	Ricardo Ewert	
16:20-16:40	A large-scale hybrid micro- and mesoscopic simulation approach for railway operation	Ihab Kaddoura, Merlin Unterfinger, Thomas Hettinger, Christian Rakow and Marcel Rieser	
16:40-17:00	Using MATSim for the long-term forecast of passenger demand in Switzerland	Joschka Bischoff and Ihab Kaddoura	
17:00-17:20	A MATSim model for a low carbon future mobility in the UK context	David Alvarez Castro, Alistair Ford and Dominik Ziemke	
16:00-17:20	**Session IV-B**		TBD
16:00-16:20	An integrated road traffic-emissions-CTM model chain to assess urban air quality at the street level for the Paris region	Marjolaine Lannes, Yelva Roustan, Nicolas Coulombel, Biao Yin and Tatiana Seregina	
16:20-16:40	Examining Demographic Heterogeneities in Melbourne's MATSim Model	Mahsa Abdollahyar, Afshin Jafari, Alan Both, Dhirendra Singh, Steve Pemberton, Lucy Gunn and Billie Giles-Corti	
16:40-17:00	Multiagent transport model for urban planning of Brno metropolitan area	Dmitrii Grishchuk, Pavel Orlíček, Hana Fridrichovská, Martin Všetečka	
17:00-17:20	Creating an integrated agent-based travel demand model by combining CUSTOM and MATSim: A case study of Liège, Belgium	Suxia Gong, Kaili Wang, Sk. Md. Mashrur, Khandker Nurul Habib, Ismaïl Saadi and Mario Cools	
17:25-17:30	**Closing of the Meeting**	Kay Axhausen	HIT E 51
17:30-19:00	**MATSim e.V.**	Interested persons	HIL H 35.1