MATSim User Meeting 2024 - Program

Time	Title	Presenters	Room
8:30-9:00	Coffee and Registration		
9:00-9:05	Welcome	Kay Axhausen	
9:05-10:25	**Session I**		U3, Otakaari 1
9:05-9:25	A Deep Learning Approach for Innovating MATSim Plans	Fred Shone and Tim Hillel	
9:25-9:45	Modelling the impact of mobility pricing on mode choices	Filippos Adamidis and Constantinos Antoniou	
9:45-10:05	Efficient approximation of time costs for parking in MATSim	Tobias Kohl, Andreas Neumann and Michael Balmer	
10:05-10:25	Microsimulating Departure Time, Mode Choice and Destination Choice Decisions to Test the Impacts of Telecommuting: An Agent-based Transport Demand and Network Simulation Model	Bijoy Saha, Mahmudur Rahman Fatmi and Nazmul Arefin Khan	
10:30-11:30	**Session II**		U3, Otakaari 1
10:30-10:50	Comparing External and Internal Control Measures: Lesson from comprehensive Mobility-based Epidemic Simulation Models for the City of Montreal and Hong Kong	Ashraf Uz Zaman Patwary, Enoch Lee, Francesco Ciari and Hong K. Lo	
10:50-11:10	An Auto Calibration Extension for Plan Parameters in MATSim	Ming Lu and Xiaoming Zhang	
11:10-11:30	Simulating Potential Impacts of Commoning Accessibility Practices on Travel Behaviour	Lennert Verhulst, Frank Witlox and Giovanni Circella	
	Lunch break		
12:30-14:10	**Session III**		U3, Otakaari 1
12:30-12:50	What's new in open-source MATSim data visualization tools	Billy Charlton	
12:50-13:10	Distributed parallel Qsim implementation in Rust	Janek Laudan, Paul Heinrich and Kai Nagel	

13:10-13:30	Household Vehicle Sharing in MATSim	Hannes Rewald, Steffen Axer and Sebastian Hörl	
13:30-13:50	hybridPY: A Hybrid Traffic Simulation Case Study for Munich	Fabian Schuhmann, Jörg Schweizer, Fabian Netzler and Markus Lienkamp	
13:50-14:10	The Toolkit for Fleet Electrification and Charging Infrastructure Management in Large-Scale MATSim Scenarios within Replan.city	Tim Volotskiy and Jaro Smirnov	

Coffee Break

14:30-15:50	**Session IV**		U3, Otakaari 1
14:30-14:50	The FeederDrt extension: simulation of intermodal on-demand services acting as feeders for public transit	Tarek Chouaki and Sebastian Hörl	
14:50-15:10	Enhancing Ile-de-France Agent-Based Model: Automotive Fleet Projection and Low Emissions Zone Model	Pierre Michel, Azise Oumar Diallo, Alexandre Chasse and Guoxi Feng	
15:10-15:30	On-Demand Autonomous Vehicle Service in Rural Areas in Île-de-France: Multi-Agent Modeling and Evaluation of Potential Benefits	Tatiana Seregina, Tarek Chouaki, Félix Carreyre, Nicolas Coulombel	
15:30-15:50	Metropolis-Hastings based synthesis for all-day round trips from origin-destination matrices and limited population segmentation	Franz-Xaver Rupprecht, Georgia Charalampidou and Gunnar Flötteröd	

Break

16:00-17:00	**Session V**		U3, Otakaari 1
16:00-16:20	Simulating Electric Road Systems as charging infrastructure in MATSim with EV-Contrib: EV user charging behavior on long-distance trips	Hamoun Pourroshanfekr Arabani, Mattias Ingelström, Francisco J. Márquez-Fernández and Mats Alaküla	
16:20-16:40	Objective Sustainability: Meaningfully measuring the impacts of mobility using MATSim. Moving beyond journey time savings?	Divya Sharma, Steffen Axer, Hannes Rewald, Chris Bruce, Michael Fitzmaurice, Kasia Kozlowska, Yuhao Sun, Neil Montague, Val Ismaili, Panos Tsoleridis, Gerry Casey and Theodore Chatziioannou	
16:40-17:00	Enhancing Commuter Mobility: A Methodology for Deriving and Optimizing Urban Mobility Services	Christoph Garritsen and Oliver Ludwig	