



Workshop KTH – TU Dresden Mobility | Rail, Freight and Public Transport

Dresden, March 21th-22th 2024

Thursday, 21th M			
Intro	09:30	POT-168 (Nikola Bešinović, Regine Gerike, Erik Jenelius)	
Fika / Coffee break	10:30	POT-168	
Stream A	11:00		
Public transport		POT-168 (Session chair: Jörn Schönberger)	
Jonas Krombach	TUD	From global sustainability visions to local interpretations and priorities: Planners'	
		perspectives and their translation into strategic urban mobility planning in German	
		cities	
Zhenliang Ma	КТН	LLM for individual mobility prediction	
Anastasios Skoufas	КТН	Assessing and understanding contributions of sub-groups to public transport crowding	
Jörn Schönberger	TUD	Reconstructing simulation scenarios for public transport networks from open data	
John Schonberger	100	sources	
Rail		POT-161 (Session chair: Oskar Fröidh)	
Francesco Bruno	ктн	Possibilities to replace short-haul flights with train travel when accounting for rail	
-		capacity	
Oskar Fröidh	ктн	Rail traffic group	
Tabish Haque	TUD	Resilience infrastructure assessment: Cologne case study	
Elin Hellblom	КТН	Extension of UIC 406-based capacity analysis for railway stations	
Lunch	12:15	(Alte Mensa)	
Stream B	13:15		
Freight		POT-168 (Session chair: Maurice Krauth)	
Philipp Salger	TUD	Conveying robot system for automating the pushing, uncoupling and coupling	
		process in European rail freight transport	
Mohammad Al-Mousa	КТН	Rail freight capacity and service quality in mixed traffic	
Henning Preis	TUD	Incorporating alternative processing in optimal rescheduling of railway classification	
		yards	
Maurice Krauth	TUD	Optimising mode choice in a bi-modal freight network	
Rail		POT-151 (Session chair: Jan Eisold)	
Chris Szymula	TUD	A path-based train dispatching model for disruption management in networks	
Hans Sipilä	КТН	Headway modeling in ETCS L2	
Ingrid Johansson Jan Eisold	KTH TUD	Contingency, capacity, and other fun stuff Infrastructure dimensioning in freight yards using mathematical optimization	
Fika / Coffee break	14:30	POT-168	
Stream C	15:00		
	15.00	DOT 169 (Section sheim Nileefer Minhachi)	
Freight	TUP	POT-168 (Session chair: Niloofar Minbashi)	
Jing Shan	TUD	Supply chain oriented integrated tactical planning method for international rail	
Niloofar Minbashi	ктн	freight transport Machine learning applications in rail freight operations	
Daniel Haalboom	TUD	Two-stage approach for rail freight terminal scheduling with mainline interaction	
Uwe Höppner	TUD	Urban railfreight services – could cities support the growth-targets in rail?	
Public transport		POT-151 (Session chair: Helry Dias)	
Zirui Li	TUD	Predicting city-wide bus/tram arrival time in Dresden	
Helry Dias	ктн	Urban travel demand and traffic simulations - A sustainable approach based on	
		technology restrictive measures	
Meng Wang	TUD	Modelling and control of multimodal traffic: An overview of the Chair of Traffic	
		Process Automation	
Steffen Dutsch	TUD	Station stopping times: Bottleneck of the Munich Rapid Transit System	



Stream D	10:30	
Public transport		POT-168 (Session chair: Jonas Jostman)
Mohammad Maghrour Zefreh	КТН	Passenger Transport Systems: from Passengers to Service
Johannes Weber	TUD	Constants and Dynamics in Travel Behavior: Methods and Results
Vahid Noroozi	TUD	Assessment of Strategies for Sustainable Mobility with Multi-Agent Transport Simulation MATSim
Jonas Jostman	КТН	Machine-Learning informed simulation-based dynamic traffic assignment with SUMO
Data		POT-161 (Session chair: Pascal Kerschke)
Yuanyuan Wu	КТН	The Application of Machine Learning and Data Mining Techniques in the management of CAVs and the relevant Ethics"
Sebastian Dengel	TUD	Scooter Data Analytics
Mohd Aiman Khan	КТН	Dynamic charging solutions for electric autonomous vehicles
Pascal Kerschke	TUD	Overview of Big Data Analytics at TUD
Wrap-up	11:45	POT-168
Lunch	12:15	(Alte Mensa)







Member of



Contact

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