

STRC

20th Swiss Transport Research Conference Online Conference, May 13-14, 2020

Wednesday 13 May 2020

09:30 - 10: 30	Opening and Keynote speech Prof. Ola Jabali <i>Polytechnic University of Milan</i> Using Electric Vehicles for Goods Distribution			
	Zoom link: https://epfl.zoom.us/j/97175091783			
Session 1				
	Chair: Maggi	Chair: Alahi	Chair: Corman	Chair: Bierlaire
	Room 1	Room 2	Room 3	Room 4
	https://epfl.zoom.us/j/94272367567	https://epfl.zoom.us/j/98204465389	https://epfl.zoom.us/j/99218728803	https://epfl.zoom.us/j/93136359760
10:40	Modeling Traffic Around a Pedestrian Zone in a Monocentric Network (31)	Matching in carpooling under congestion (22)	Modeling and Optimization of Dedicated Bus Lanes space allocation in large networks with dynamic congestion (65)	Approaches for real-time train delay prediction (30)
11:00	Passenger-oriented rescheduling of trains and rolling stocks for urban rail transit networks (36)	Long-distance buses in Switzerland (35)	Quantifying the direct and indirect effect of the disruption in public transport on passengers' behavior by using a multi-agent simulation (27)	Route-choice Control with Optimal Dynamic Pricing in Urban Large-scale Networks (18)
11:20	Revisiting Forecasting Models for Human Motion Prediction (50)	Vehicle Sharing Systems: Does demand forecasting yield a better service? (52)	MOBIS study: A review of common reported issues (59)	Scheduling of daily activities: an optimization approach (41)
11:40	Modelling oneway carsharing in the city of Shanghai, China (14)	Shared micromobility in Zurich, Switzerland: Analysing usage, competition and mode choice (66)	Driver Performance in the Presence of Bicycle Infrastructure (61)	Synthetic Population of Greater Jakarta: An Iterative Proportional Updating Approach (44)
Lunch Break				
13:00 - 14: 15	Round table The influence of COVID in mobility in CH and worldwide			
	Mr. Jürg Röthlisberger - <i>Director of the Federal Roads Office (FEDRO)</i> Dr. Nicole Mathys - <i>Head of section, Federal Office for Spatial Development ARE</i> Prof. Jonas Eliasson - <i>Director of Transport Accessibility, Swedish Transport Administration, Visiting professor of Transport Systems, Linköping University</i> Mr. Armin Weber - <i>Head of International Passenger Traffic, Swiss Federal Railways (SBB)</i> Moderator: Prof. Nikolas Geroliminis - <i>Professor of Transport, EPFL</i>			
YouTube live streaming: https://youtu.be/KJUIEsNFTXQ				
End of Day				

Thursday 14 May 2020				
Session 2				
	Chair: Danalet	Chair: Kouvelas	Chair: Chistofa	Chair: de Laparrent
	Room 1	Room 2	Room 3	Room 4
	https://epfl.zoom.us/j/97779615924	https://epfl.zoom.us/j/95392202972	https://epfl.zoom.us/j/92702881591	https://epfl.zoom.us/j/93653036776
09:30	Identifying shockwaves and estimating their critical parameters utilising a dataset from a swarm of drones (64)	Vehicle emissions estimation using naturalistic data from a swarm of drones (63)	Speed prediction for freeway networks with identity mapping augmented dynamic linear model (60)	Macroscopic modeling of ride-sourcing services (62)
09:50	Vehicle Detection Using Fields (24)	When Deep Generative Modeling Meet Markov Decision Processes: a Deep Bayesian Approach for High-dimensional Data Discovery (20)	Towards a data-driven survey methodology (12)	Next Steps for Image Synthesis using Semantic Segmentation (34)
10:10	Traffic estimation for highways: the data fusion case (38)	The role of incomplete information to passengers in real-time railway traffic control (25)	Identification of Potential Sources of Error Propagation in MATSim (29)	Analysis of ridepooling strategies with MATSim (9)
10:30	Structural controllability of highway networks (37)	A resilience-based perimeter control strategy for urban roadway systems (54)	preciseWTA: Precise Winner-Takes-All Loss for Multimodal Vehicle Prediction (53)	Bilinear Multimodal Discriminator for Adversarial Domain Adaptation with Privileged Information (42)
Short Break				
Session 3				
	Chair: Axhausen	Chair: Gonzales	Chair: Laesser	
	Room 1	Room 2	Room 3	
	https://epfl.zoom.us/j/97779615924	https://epfl.zoom.us/j/95392202972	https://epfl.zoom.us/j/92702881591	
11:00	A unified discrete choice modeling framework of heterogenous decision rules accounting for non-trading behavior (21)	Effects of transport systems on housing rents: a probabilistic investigation of accessibility measures (10)	Designing a MATSim scenario for São Paulo, Brazil (48)	
11:20	Usage potentials of shared transport services in urban areas in Germany (4)	A comprehensive app-based longitudinal study of travel, time use and expenditures (11)	Variational Bayesian Inference for Spatial Negative Binomial Count Data Models with Unobserved Heterogeneity (26)	
11:40	Add Image to My Choice: Including a New Input Type to Discrete Choice Modeling with Representation Learning (32)	Holistic, integrated generation of daily-activity plans for Switzerland: from population synthesis to trip generation (23)	How much do transit passengers rely on online information? A revealed preference approach based on tracking (8)	
12:00	Environmental benefits of bike-sharing based on travel mode choice (16)	Generating Synthetic mobile phone datasets using MATSim (58)	Pose Tracking for Anonymized Videos (33)	
12:20	Closing Remarks			
	https://epfl.zoom.us/j/97779615924			
12:30	Steering Committee Meeting			
End of Day				