



STRC

14th Swiss Transport Research Conference

Monte Verità / Ascona, May 14-16, 2014

Program

Conference Program

Wednesday, May 14th

Start	End			
12.10		Bus transfer from Locarno SBB station to Monte Verità		
12.25				
13.10				
13.20				
12.30	14.00	Registration and lunch (sandwich)		
14.00	15.00	Room: AUDITORIUM Welcome by Rico Maggi Keynote speech by Emile Quinet <i>Title (TBA)</i> Chair: Nikolas Geroliminis		
15.00	15.30	Coffee break		
15.30	18.00	Room: AUDITORIUM	Room: BALINT	Room: ERANOS
		Slot A - Session 1	Slot A - Session 2	Slot A - Session 3
		Chair: Michel Bierlaire	Chair: Nikolas Geroliminis	Chair: Kay W. Axhausen
15.30	16.00	Emanuel Barth, Ulrich Weidmann (ETHZ, ITPS) <i>Investigating Service Characteristics of Local Public Transport on Cross-Border Sections</i>	Andreas Horni, Kay W. Axhausen (ETH, IVT) <i>Gridlock Modeling with MATSim</i>	Matthias Kowald, Andreas Justen, Alice Jeannet (ARE) <i>Territorial based Modal-Split analysis of mobility behavior in Swiss agglomerations</i>
16.00	16.30	Stefan Binder, Jianghang Chen, Michel Bierlaire (EPFL, Transport and mobility Lab) <i>Generation and evaluation of passenger-oriented railway disposition timetables</i>	Mehmet Yildirimoglu, Nikolas Geroliminis (EPFL, LUTS) <i>Approximating Equilibrium Conditions with Macroscopic Fundamental Diagrams</i>	Stefano Scagnolari, Aleksandar Gogov, Rico Maggi (USI, IRE) <i>An Image-Based SP Experiment to Measure Willingness to Pay of Residents and Tourists for Improving Quality of Urban Areas</i>
16.30	17.00	Dominic Villeneuve (EPFL, LaSUR) <i>The new prevalence of public-private partnerships in the production of Light Rail Transit Systems in Canada</i>	Sofia Theodoridou, S. Ilgin Guler, Monica Menendez (ETH, IVT) <i>An Analytical Approach for Modeling Tolloed Bus Lanes</i>	Caroline Sturm (USI, IRE) <i>Behavioral Theory and Modelling Travel Decision Processes in Leisure Tourism</i>

17.00	17.30	Iliya Markov, Sacha Varone, Michel Bierlaire (EPFL, Transport and mobility Lab) <i>Vehicle Routing for a Complex Waste Collection Problem</i>	Milos Balac, Francesco Ciari (ETH, IVT) <i>Modeling station-based carsharing in Switzerland</i>	Patrick Boesch, Francesco Ciari (ETH, IVT) <i>Climate Change Influence on Swiss Transport, Tourism and Energy – A Stakeholders' Perspective</i>
17.30	18.00	Vincent Kaufmann, Marc Antoine Messer, Ander Audikana (EPFL, Communauté d'études pour l'aménagement du territoire) <i>The limits of the new tram network in Geneva</i>	Christof Zöllig Renner, Kay W. Axhausen (ETH, ITPS) <i>Heterogeneous real estate developers in an integrated land use transport simulation</i>	P.M. Schirmer, Kay W. Axhausen (ETH, ITPS) <i>Quantifying the value of urban form - a hedonic rent price model on Zurich</i>
18.00	20.00	Free		STRC Committee meeting
20.00		Dinner		

Thursday, May 15th

Start	End			
07.30	08.30	Breakfast		
8.30	10.30	Room AUDITORIUM	Room BALINT	Room ERANOS
		Slot B - Session 1	Slot B - Session 2	Slot B - Session
		Chair: Monica Menendez	Chair: Kay W. Axhausen	Chair: Rico Maggi
08.30	09.00	Konstantinos Ampountolas, Nan Zheng, Nikolas Geroliminis (EPFL, LUTS) <i>Perimeter flow control of mixed bi-modal urban road networks</i>	Rashid A. Waraich, S. Ranganathan, Kay W. Axhausen (ETH, ITPS) <i>The Parking Game</i>	Antonin Danalet, Michel Bierlaire (EPFL) <i>A path choice approach to activity modeling with a pedestrian case study</i>
09.00	09.30	Javier Ortigosa, Sylvie Thomann, Qiao Ge, Monica Menendez (ETH, IVT) <i>Dynamic properties of grid urban networks</i>	Mohammadreza Saeedmanesh, Nikolas Geroliminis (EPFL, ENAC, LUTS) <i>Observing MFDs for Heterogeneous Traffic Networks with Stop-Line Loop Detector Data</i>	Aurélie Glerum, Emma Frejinger, Anders Karlström, Muriel Beser Hugosson, Michel Bierlaire (EPFL, TRANSP-OR) <i>A dynamic discrete-continuous choice model for car ownership and usage: estimation procedure</i>
09.30	10.00	Tomáš Robenek, Jianghang Chen, Michel Bierlaire (EPFL, Transport and Mobility Lab) <i>The Ideal Train Timetabling Problem</i>	B.R. Bodenmann, B. Sanchez, J. Bode, A. Zeiler, M. Kuliowsky, P. Furtak, Kay W. Axhausen (regioConcept, ESMO, IVT) <i>FaLC Land-Use and Transport Interaction Model for Switzerland: first results</i>	Evanthia Kazagli, Michel Bierlaire (EPFL - Transport and Mobility Lab) <i>Revisiting Route Choice Modeling: A Multi-Level Modeling Framework for Route Choice Behavior</i>
10.00	10.30	Martin Repoux, Burak Boyaci, Nikolas Geroliminis (EPFL, LUTS) <i>An event-based simulation for optimizing one-way car-sharing systems</i>	Thibaut Dubernet, Kay W. Axhausen (ETH, IVT) <i>Solution Concepts for the Simulation of Household-Level Joint Decision Making in Multi-Agent Travel Simulation Tools</i>	
10.30	11.00	Coffee break		

11.00	13.00	Room AUDITORIUM	Room BALINT	Room ERANOS
		Slot C - Session 1 Chair: Nikolas Geroliminis	Slot C - Session 2 Chair: Kay W. Axhausen	Slot C - Session 3 Chair: Michel Bierlaire
11.00	11.30	Clare Jackson, Dirk Bruckmann, Thomas Ott, Ulrich Weidmann (ETH, IVT) <i>Improving the Forecast of Freight Transport Demand Using Machine Learning and Time Series Methods</i>	A. Zeiler, G. Sarlas, M. Kuliowsky, B.R. Bodenmann, B. Sanchez, J. Bode, P. Furtak, Kay W. Axhausen (regioConcept, ESMO, IVT) <i>FaLC Transport Simulation Module: How accurate can a simplified transport model be? Simple simulation module simplified</i>	Anna Fernández Antolín, Amanda Stathopoulos, Michel Bierlaire (EPFL, TRANSP-OR) <i>Exploratory Analysis of Endogeneity in Discrete Choice Models</i>
11.30	12.00	Marija Nikolić, Michel Bierlaire, Bilal Farooq (EPFL, Transport and Mobility Lab) <i>Probabilistic speed-density relationship for pedestrians based on data driven space and time representation</i>	Valerio De Martinis, Ulrich Weidmann (ETH, IVT) <i>The evaluation of energy efficient solutions in train operation: a simulation-based approach</i>	Georgios Sarlas, Kay W. Axhausen (ETH, ITPS) <i>Using Time Series Methods to Forecast Freight Transport Demand</i>
12.00	12.30	Haitao He, S. Ilgin Guler, Monica Menendez (ETH) <i>The effects of pre-signals at an isolated intersection: simulation results</i>	Emmanuel Ravalet, Stephanie Vincent-Geslin, Yann Dubois (EPFL, LaSUR) <i>High mobility... to have a job ?</i>	Silvia Francesca Varotto, Aurelie Glerum, Amanda Stathopoulos, Michel Bierlaire (EPFL, TRANSP-OR) <i>Modeling travel time perception in transport mode choices</i>
12.30	13.00	Daniel Emery (EPFL, LITEP) <i>Why not a "last clear" signal aspect?</i>	Burak Boyacı, Nikolas Geroliminis (EPFL, LUTS) <i>Hypercube Queuing Models for Emergency Response Systems</i>	Nadine Rieser-Schüssler, Kay W. Axhausen (ETH, IVT) <i>Exploring choice set generation approaches for public transport connection choice</i>
13.00	14.00	Lunch		
14.00	15.00	Room AUDITORIUM Keynote speech by Carlo Ratti <i>Title (TBA)</i> Chair: Michel Bierlaire		
15.00	15.30	Coffee break		

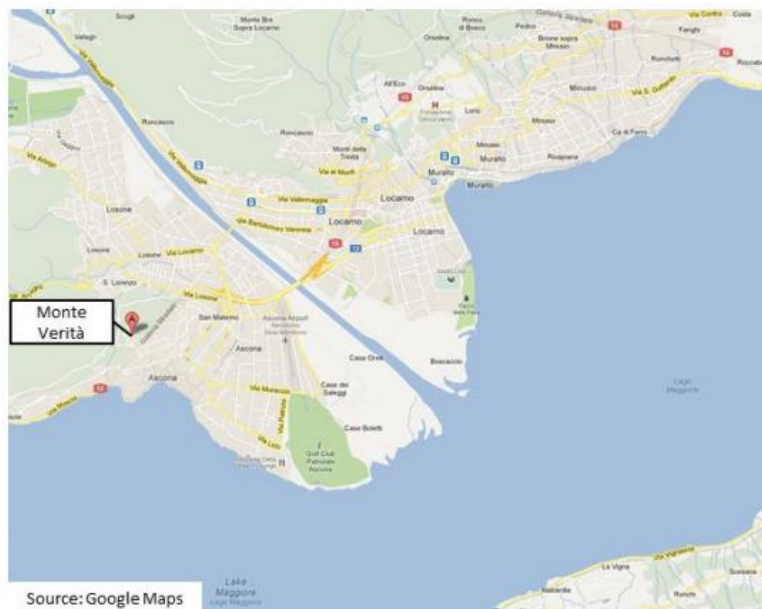
15.30	18.00	Room AUDITORIUM	Room BALINT	Room ERANOS
		Slot D - Session 1	Slot D - Session 2	Slot D - Session 3
		Chair: Michel Bierlaire	Chair: Monica Menendez	Chair: Christian Laesser
15.30	16.00	Lara Montini, Nadine Rieser-Schüssler, Kay W. Axhausen (ETH, IVT) <i>Personalisation in multi-day GPS and accelerometer data processing</i>	Igor Sarman (USI, IRE) <i>Swiss second-home owners' intention to move to their dwelling: an integrated ordered logit model with latent variable</i>	Jin Cao, Monica Menendez (ETH, IVT) <i>Macroscopic modelling of parking dynamics in urban networks (Part I)</i>
16.00	16.30	Sofia Kalakou, Filipe Moura (EPFL, Transport and Mobility Lab) <i>Effects of terminal planning on passenger choices</i>	Stefano Scagnolari, Aleksandar Gogov, Rico Maggi (USI, IRE) <i>The role of urban landscape perception for ancillary spend of visitors to cultural institutions</i>	Livio Kaeslin, Johannes Lieberherr, Wolfgang Scherr (SBB) <i>Demand data for dynamic passenger assignment within the Swiss national rail model</i>
16.30	17.00	Flurin S. Hänseler, Nicholas A. Molyneaux, Michel Bierlaire, Amanda Stathopoulos (EPFL, Transport and Mobility Lab) <i>Schedule-based estimation of pedestrian demand within a railway station</i>	Ilka Ehreke, Kay W. Axhausen (ETH, IVT) <i>Modelling work place decisions in mobility biographies</i>	Nan Zheng, Nikolas Geroliminis (EPFL, LUTS) <i>A Dynamic Approach for Influencing Multimodal Mobility of Buses and Cars with Limited Parking</i>
17.00	17.30	Reto Tanner (University of Leeds, Institute for Transport Studies) <i>Explaining the households' decision on car ownership and use using an approach based on an indirect utility function</i>	Emmanuel Ravalet, Derek Christie, Sébastien Munafò, Vincent Kaufmann (EPFL, LaSUR) <i>Analysis of walking in five Swiss cities: a quantitative and spatial approach</i>	Maxim Janzen, David Charypar, Kay W. Axhausen (ETH, IVT) <i>Long Term Simulation of a Continuous Target-Based Model</i>
17.30	18.00	Nicholas A. Molyneaux, Flurin S. Haenseler, Michel Bierlaire (EPFL, Transport and Mobility Lab) <i>Modelling of train-induced pedestrian flows in railway stations</i>	Christoph Dobler, Rashid Waraich, Kay W. Axhausen (ETH, IVT) <i>Application of an on-the-fly Route Choice Approach to Model Parking Search Behaviour</i>	Stephan Reinhold, Christian Laesser, Daniel Bazzi (HSG, IMP) <i>The intellectual structure of transportation management research</i>
18.00	19.00	Free		
20.00	22.30	Dinner in Losone (shuttle bus available)		

Friday, May 16th

Start	End		
07.30	08.30	Breakfast	
8.30	10.00	Room AUDITORIUM	Room BALINT
		Slot E - Session 1 Chair: Christian Laesser	Slot E - Session 2 Chair: Rico Maggi
08.30	09.00	Alexandre Rigal, Jade Rudler (EPFL, Chôros, CEAT) <i>Post-Car World: Why Laugh at Change? Definitions of the Car and Potential Changes</i>	Riccardo Scarinci, Jianghang Chen, Michel Bierlaire (EPFL, TRANSP-OR) <i>Optimization of the network design of a futuristic transport system based on moving walkways</i>
09.00	09.30	Francesco Ciari (ETH, IVT) <i>Has car use peaked in Switzerland too?</i>	Qiao Ge, Javier Ortigosa, Monica Menendez (ETH, IVT) <i>Traffic demand pattern generation for a grid network based on experiment design</i>
09.30	10.00	Christian Marti, Ulrich Weidmann (ETH, IVT) <i>Interdependencies and synergies between urban public transport systems and the built environment: framework for system analysis</i>	Mohsen Ramezani, Jack Haddad, Nikolas Geroliminis (EPFL, LUTS) <i>Integrating heterogeneity dynamics in aggregated urban network modeling and control</i>
10.00	10.30	Sébastien Munafò, Derek Christie, Stéphanie Vincent-Geslin, Emmanuel Ravalet, Vincent Kaufmann (EPFL, LaSUR) <i>The Evolution of Modal Choice Among Motorised Professionally Active People In three Swiss cities, 1994-2011</i>	Jorge Osvaldo Ambort (ETH) <i>Application for diminishing or avoiding the unwanted effects of traffic congestion</i>
10.30	11.00	Coffee break	
11.00	12.00	Room: AUDITORIUM Keynote speech by Kai Nagel <i>Title (TBA)</i> Chair: Kay W. Axhausen Conclusion by Monica Menendez	
12.30	13.25	Shuttle bus to Locarno SBB	

Additional information

The conference takes place at the Monte Verità, congress and cultural centre in Ascona (Ticino), on the Maggiore's lake coast (see map).



Information concerning travel times by train can be checked at:

<http://www.sbb.ch>

The present program and the papers of the conference can be checked at the conference web page:

<http://www.strc.ch/conferences/2014>

Paper presentations are planned to be 30 minutes long: 15 minutes presentation, 10 minutes questions, 5 minutes extra.

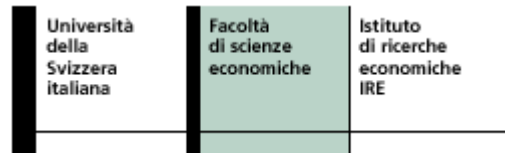
Please, plan your presentations to last 15 minutes (not more than 15 slides recommended).

For other questions regarding the conference, contact us at: strc@usi.ch

For further details of the conference venue:

<http://www.monteverita.org>

Organizing institutions



ETH
Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich


IVT
Institut für Verkehrsplanung und Transportsysteme
Institute for Transport Planning and Systems




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