

## **Swiss Transport Research Conference Résultats de la conférence du 15 - 17 mars 2006, à Ascona**

Un panel de chercheurs suisses et internationaux s'est réuni, du 15 au 17 mars, au Monte Verità, à Ascona pour débattre, dans le cadre de sessions thématiques consacrées à des questions aussi diverses que les comportements, la modélisation ou les impacts économiques dans le domaine des transports. Le forum a pour but d'aborder, de manière transversale, des thèmes liés aux transports et à l'aménagement du territoire, de stimuler la discussion au sein de la communauté scientifique, mais aussi de diffuser les résultats auprès des praticiens et des politiciens. Nous vous présentons, ci-après, quelques interventions parmi les nombreux et passionnant sujets discutés. (langue : anglais)

Pour plus d'informations :

Swiss Transport Research Conference

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

## **Swiss Transport Research Conference Ergebnisse der Tagung in Ascona vom 15. – 17. März 2006**

Vom 15. bis 17. März 2006 trafen sich auf dem Monte Verità bei Ascona in- und ausländische WissenschaftlerInnen aus dem Bereich Transport und Raumplanung um sowohl über Verkehrsverhalten und Modellierung als auch über die ökonomischen Folgen zu debattieren. Das Themenspektrum war breit angesetzt und hatte einerseits das Ziel, die Diskussion auf wissenschaftlicher Ebene voran zu treiben und andererseits Ergebnisse für die Anwendung in der Praxis (Verkehrspolitik) liefern zu können. Der angefügte Link führt Sie direkt zu den spannenden Ergebnissen der diskutierten Themen. (Sprache: eng)

Weitere Informationen :

Swiss Transport Research Conference

<http://www.strc.ch>

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## Swiss Transport Research Conference

Exchanging ideas for transport

### 2006 Conference proceedings

#### Keynotes

Prof. Claudio Minca, School of Geography, Politics and Sociology, University of Newcastle:

Touring

Prof. Weert Canzler, Wissenschaftszentrum, Berlin:

[Infrastructure investments in a shrinking society](#)

Prof. David Banister, The Bartlett School of Planning, University College London

[Sustainable urban development and transport](#)

#### Regular presentations

##### Session Mobility

Beige, Axhausen (ETHZ):

[Long-term mobility decisions during the life course](#)

Craviolini(UNI-Z):

[Commuting behaviour as a part of lifestyle](#)

Löchl(ETHZ):

A hedonic rent price model for residential housing

##### Session Engineering and Safety

Tan (ITRA):

[SJDesigner: A powerful tool for signalised junction design](#)

Arraigada, Partl (EMPA):

[Calculation of displacements from measured accelerations, analysis of two accelerometers and application on road engineering](#)

Zwanenburg (EPFL):

Modelling degradation processes of switches and crossings for maintenance and renewal planning on the Swiss railway network

Jemelin (EPFL):

[How do motorists react to long road works? The case of Glion Tunnel](#)

Santel (ETHZ):

[Traffic flow and accident occurrence in construction zones on freeways](#)

### **Session Modelling 1/DCM**

Erath (ETHZ):

[Value of travel time savings for shopping trips in Switzerland](#)

### **Session Land Use**

Bürgle (ETHZ):

[Household location choice model for the Greater Zurich area](#)

Hackney (ETHZ):

[Results of discrete choice models for long-distance travel based on the DATELINE survey](#)

Löchli (ETHZ):

Land use effects of road pricing - a literature review

Antonini, Bierlaire (EPFL):

[Modelling pedestrian interactions with discrete choice models/a>](#)

Maggi, Marti(USI-Ecoplan):

Identifying the pure transport effect in regional development: An economic analysis for Switzerland

Hess, Vrtic, Axhausen (ETHZ):

Comparative estimates of the value of time savings

Tschopp, Fröhlich, Axhausen (ETHZ):

[Accessibility development and its spatial impacts in Switzerland 1950 - 2000](#)

### **Session Public Transport**

Chevroulet(EPFL):

Free public transport access to superstores in Japan: who's in charge of what?

### **Session Modelling 2**

Spasov, Bierlaire, Merminod (EPFL):

[Bayesian approach for indoor pedestrian localisation](#)

Nash (ETHZ):

[Design of effective public transportation systems](#)

Hess, Bierlaire, Polak (ETHZ - EPFL - Imperial):

[Confounding between substitution patterns and random taste heterogeneity](#)

Reusser (ETHZ - Uni-Göteborg):

[All aboard! Towards an assessment of sustainable development options of railway stations](#)

Hess, Axhausen, Polak (ETHZ - Imperial):

Distributional assumptions in Mixed Logit models

Steinmann, Kirchofer (UNI-Bern):

[Exploring a particular relationship. Why the Swiss did hardly dismantle their rail network since World War II](#)

### **Session Economic Impact**

Halsband, Hofmann (HSG):

Provision and commercialization of information in freight traffic

Schiffmann (ETHZ)

[Communal road networks in Switzerland: Form of new Public Private Partnership \(PPP\)cooperations for the maintenance](#)

### **Session Behaviour**

De Haan (ETHZ)

Multi-agent modelling of the Swiss car market, and its potential reaction upon governmental incentive schemes to promote fuel-efficient cars

Rüetschi, Caduff, Timpf (UNI-Z), Schulz, Wolff (UNI - Karlsruhe):

[Network routing by landmarks](#)

Flamm (EPFL):

[The concept of personal network of usual places as a tool for analysing human activity spaces: a quantitative exploration](#)

### **Session Modelling/Heuristic**

Bert, Chung, Dumont (EPFL)

[Traffic-project: Micro - macro combination](#)

Steiner (ZHW):

[A heuristic method for aircraft maintenance scheduling with variable constraints](#)

Weimann, Barthels (HSL) :

[A framework for routing systems in the supply chain. Including the structure of vehicle routing problems](#)

### **Session Freight Transport and Logistics**

Arnaud (EPFL):

[Towards a more sustainable modal and spatial split of freight traffic for crossing areas: the case of the transalpine freight traffic](#)

Fries (ETHZ):

[Cost structure and market potential in European intermodal transport on East-West axes](#)

Iannone (UNI-Naples):

A discrete choice model application for the Naples - Toulon sea motorways economic-technical feasibility evaluation

Patterson, Ewing, Haider (EPFL):

[The first carrier choice survey for the Quebec City - Windsor corridor: Shipper preferences suggest uphill battle for increasing rail freight market share](#)

### Session Modelling 3

### Session Transport Economy and Markets

Fosgerau, Bierlaire (DTRI - EPFL):

Lalive, Schmutzler (UNI-Z):

[Extending and testing mixtures of the multinomial logit model](#)

[Competition for railway markets: The case of Baden-Württemberg](#)

Frejinger, Bierlaire (EPFL):

Müller (ETHZ):

[Capturing correlation in route choice models using subpaths and subnetworks](#)

Modelling car size loyalty and car brand loyalty in Switzerland

Thémens, Bierlaire (EPFL):

Kato, Matsumoto (ETHZ - UNI-Tokyo):

Solving singularity issues in the estimation of econometric models

[Joint resource allocation model of household members consisting of a husband, a wife and a child for non-work activities](#)

Hess, Bierlaire, Polak (ETHZ - EPFL - Imperial):

Peters (ETHZ)

[Discrete mixtures models](#)

Side effects of bonus payments designed to influence card choice behaviour

### Session Modelling 4/Micro

### Session Environment

Balmer, Axhausen, Nagel (ETHZ, TU-Berlin):

Bhaskar, Chung, Dumont (EPFL):

A demand generation framework for large scale micro simulations

[Study of vehicle noise for different operating conditions](#)

Charypar, Axhausen, Nagel (ETHZ, TU-Berlin)

Trocme (Buwal):

Implementing activity-based models: Accelerating the replanning process of agents using an evolution strategy

[Habitat fragmentation due to linear transportation infrastructure: An overview of mitigation measures in Switzerland](#)

Meister, Balmer, Axhausen, Nagel  
(ETHZ - TU-Berlin)

[planomat: a comprehensive scheduler for a large-scale multi-agent transportation simulation](#)

Bernard (ETHZ):

[Correlation of link travel speeds](#)

Rudel (USI):

Reduction potential of external costs of different vehicle categories in Ticino

For further questions please contact [Roman Rudel](#).