

3rd Annual Conference SCCER Mobility

16 September 2016

ETH Zürich
main building
D-floor | auditorium 7.1

In cooperation with the CTI



Energy funding programme
Swiss Competence Centers for Energy Research



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sccer

mobility



Swiss Competence Center for Energy Research
Efficient Technologies and Systems for Mobility

3rd Annual Conference
SCCER Mobility
16 September 2016 | HG D 7.1 | ETH Zürich

Program

8.30 Registration and coffee

9.15 **Welcome and Introduction**

Prof. Andrea Vezzini, BFH Bern, Deputy Head SCCER Mobility

Keynotes

9.25 **The development of global transport volumes and related CO₂ emissions**

Dr. Jari Kauppila, Head of Statistics and Modelling, International Transport Forum at the OECD and member of the Senior Management Group of the ITF

10.05 **How the widespread use of autonomous driving may influence the transport system**

Karin Tausz, Director of the SBB strategic initiative for autonomous vehicles, Corporate Development at SBB

10.45 Coffee break

Overview of SCCER Mobility research and activities

11.15 **Main accomplishments in phase I**

Dr. Michael Bürgi, Dr. Gloria Romera, SCCER Mobility

11.45 **Systems and components for e-mobility (A1)**

Prof. Andrea Vezzini, BFH Bern, Deputy Head SCCER Mobility

12.15 **Chemical energy converters (A2)**

Christian Bach, EMPA

12.45 Lunch and poster session

14.15 **Minimization of vehicular energy demand (A3)**

Prof. Paolo Ermanni, ETH Zürich

14.45 **Integration, operation and optimization of mobility systems (B1)**

Prof. Martin Raubal, ETH Zürich

15.15 **Integrated assessment of mobility systems (B2)**

Dr. Stefan Hirschberg, PSI

15.45 **Phase II – the challenges ahead**

Prof. Konstantinos Boulouchos, ETH Zürich, Head SCCER Mobility

16.15 **Apéro and poster session**

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CV of keynote speakers

Dr. Jari Kauppila

Head of Statistics and Modelling, International Transport Forum at the OECD and member of the Senior Management Group of the ITF

Jari Kauppila received his PhD in Economic History at the University of Helsinki. Since January 2016, he has been head of statistics and modelling and a member of the senior management group at the International Transport Forum (ITF) at the OECD. Before joining the ITF in 2007 as economist in charge of transport analysis and eventually head of ITF outlook and statistics, Mr. Kauppila spent eight years as ministerial adviser at the Ministry of Transport and Communications in Finland. Besides his duties at the ITF, he is an adjunct professor in transport economics for operations and supply chain management at the Turku School of Economics in Finland.

At ITF, Jari Kauppila was responsible for various international research projects as well as author and editor of many reports, most recently the ITF Transport Outlook 2015 or a report on International Experiences on Public Transport Provision in Rural Areas (2015).

The ITF at the OECD is an intergovernmental organization with 54 member countries. It acts as a strategic think-tank, with the objective of helping shape the transport policy agenda on a global level and ensuring that it contributes to economic growth, environmental protection, social inclusion and the preservation of human life and well-being.

www.internationaltransportforum.org

Karin Tausz

Director of the SBB strategic initiative for autonomous vehicles, Corporate Development at SBB

Karin Tausz, received her Master's degree in economics at the University of Vienna, Austria. Before joining Corporate Development at SBB in 2015, she was responsible for research coordination and funding management for national and European research projects at the Mobility Department of the Austrian Institute of Technology (AIT) and head of innovation & e-mobility at AustriaTech, the Austrian federal agency for mobility technologies. Her experience includes policy consulting and innovation management for urban mobility, intelligent transport systems (ITS) and e-mobility, addressing transport operators, mobility provider and public authorities.

In her current position, Karin Tausz manages the SBB strategic initiative for autonomous vehicles. Among others, this includes the development of scenarios to estimate the impact and probable penetration of autonomous vehicles in Switzerland, the identification of business models for the physical and digital integration of autonomous vehicles into the Swiss mobility system, or the development of key capacities at SBB to strengthen strategic partnerships within the ecosystem of autonomous transport.

www.sbb.ch/sbb-konzern.html

Contact

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Registration | Hotel

There are no conference fees, registration is mandatory **latest until 11 September 2016** via our [website](http://www.sccer-mobility.ch) (www.sccer-mobility.ch) or directly via [doodle](https://doodle.com). For SCCER members hotel reservation will be organized if desired.

Call for posters

All research partners are invited to present their work and projects on a poster A0-size that will be displayed from 8.30 - 17.30.

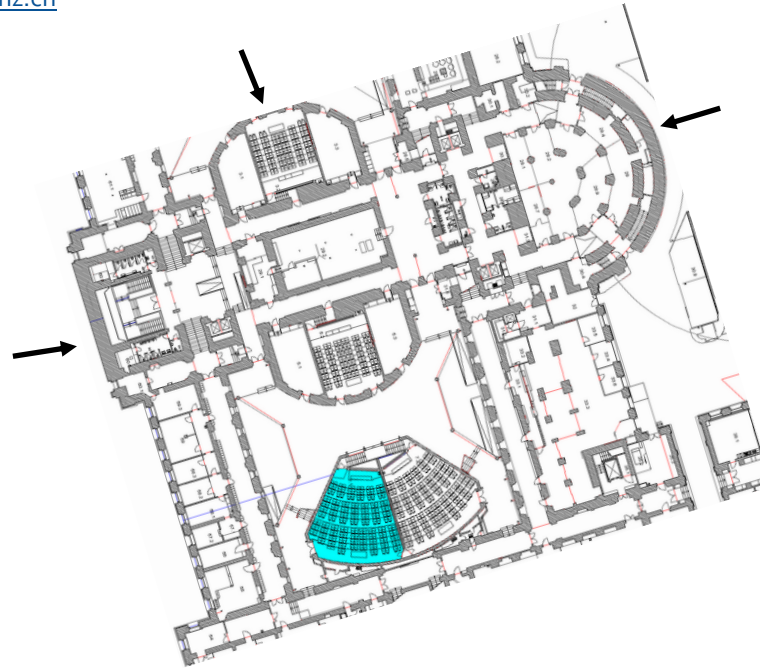
On the [SCCER Intranet](#) we provide a Power Point template with the SCCER Mobility Logo as well as guidelines for poster presenters. We suggest to export the document as a A3-pdf and then print it to A0-size.

Please do not forget to **register and upload your poster until 11 September 2016** on the dedicated [intranet space](#) (www.sccer-mobility.ch) or send it by e-mail to fiorella.meyer@sccer.ethz.ch

Location | ETH Zürich

Conference HG main building | D floor | auditorium 7.1
entrance **Polyterrasse**, Rämi-/Tannenstrasse

Lunch, Poster Session and Apéro HG main building | D floor | Foyer Süd



Getting there

By public transportation

- from “Bahnhofstrasse/HB” stop:
Tram no. 6 (towards Zoo)
- or from “Bahnhofplatz/HB” stop:
Tram no. 10 (towards Airport or Oerlikon)
as far as the **“ETH/Universitätsspital” stop** ●
- or from “Bahnhofstrasse/HB” stop:
Tram no. 3 (towards Klusplatz) as far as
“Central” stop (one stop),
from “Central” by **Polybahn** up to the **Polyterrasse**. ●

Journey time: approx. 8 minutes; you will require a ticket that is valid for zone 110 (city of Zurich).

By car

ETH HG parking garage: you will need to purchase a parking ticket from the ticket machine. (CHF 2/hour), we cannot guarantee that free parking spaces will be available at any given time.

entrance Karl Schmid-Strasse ● via Leonhardstrasse.

[For more details please see the ETH Zürich website](#)

