

# 2<sup>nd</sup> Annual Conference SCCER Mobility

26 and 27 August 2015  
ETH Zürich

Mobility 2050 in Switzerland:  
Systemic and Technological  
Challenges

In cooperation with the CTI



**Energy funding programme**  
Swiss Competence Centers for Energy Research



Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Swiss Confederation

Commission for Technology and Innovation CTI



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

# 2<sup>nd</sup> Annual Conference SCCER Mobility

Program 26 August 2015 | ML E 12 | ETH Zürich

9.00 Registration and coffee

9.15 **Welcome and Introduction**

*Prof. Konstantinos Boulouchos, ETH Zürich, Head SCCER Mobility*

## Overview and Selected Topics from the Capacity Areas

9.30 **Systems and Components for E-Mobility (A1)**

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

10.00 **Chemical Energy Converters (A2)**

*Christian Bach, EMPA*

10.30 **Minimization of Vehicular Energy Demand (A3)**

*Prof. Paolo Ermanni, ETH Zürich*

11.00 Coffee break

11.30 **Integration, Operation and Optimization of Mobility Systems (B1)**

*Prof. Vinzenz V. Härri, HSLU Luzern*

12.00 **Integrated Assessment of Mobility Systems (B2)**

*Dr. Stefan Hirschberg, PSI*

12.30 Lunch and poster session

## Mobility 2050: National and International Perspectives

14.00 **Individualized support for your business**

*André Droux, CTI Head Innovation Mentor*

14.10 **From around the World with Zero-emissions to E-Mobility Think-tank**

*Tobias Wülser, Co-founder and CEO of Designwerk GmbH, Fehraltorf*

14.30 **The EU White Paper on Transport: The Vision and How to Get There**

*Dr. Ralf Brand, TRANSFORuM Project Coordinator, Ruprecht Consult, Cologne*

15.00 Coffee break

15.30 **Mobility 2050 in Switzerland:**

**Importance of Regulatory Measures and Institutional Support to Innovative Solutions**

*Christoph Schreyer, Federal Office of Energy BFE*

**Swiss Transport Perspectives 2040: Work in Progress**

*Dr. Nicole Mathys, Federal Office for Spatial Development ARE*

**Vision und Strategy Implementation of the Federal Office of Transports**

*Dr. Markus Liechti, Federal Office of Transport BAV*

**Mobility in Switzerland 2050: Challenges for the Federal Roads Office**

*Daniel Kilcher, Federal Roads Office ASTRA*

16.30 **Panel Discussion**

*Moderator: Prof. Konstantinos Boulouchos*

17.30 Poster session

18.00 Apéro and Dinner at Dozentenfoyer ETH

# 2<sup>nd</sup> Annual Conference SCCER Mobility

Program 27 August 2015 | GEP Pavillon | ETH Zürich

## Open Workshop: New impulses for SCCER Mobility 2017-2020

The second day of the Annual Conference will be dedicated to an open discussion about the development of SCCER Mobility in the second phase (2017-2020). Participants of the workshop are invited to discuss their ideas for new topics and to come up with first proposals for new projects and research tasks. The results of the workshop shall inform the ongoing preparation of the second SCCER Mobility proposal due in March 2016.

*Workshop facilitation: Dr. Gloria Romera and Dr. Michael Bürgi*

- 9.00** Registration and coffee
- 9.15** **Welcome and introduction**  
*Prof. Andrea Vezzini, Dr. Michael Bürgi*
- 9.35** **Strategic Goals of SCCER Mobility 2017-2020**  
*Dr. Gil Georges, Lukas Küng, Prof. Konstantinos Boulouchos*
- 10.00** **Part 1: new topics**  
In small and interdisciplinary groups participants discuss new topics relevant for the transformation of the current fossil fueled transportation system to a more sustainable one. Participants are invited to bring their ideas and to discuss them with new partners from industry, science and politics.
- 12.15** Lunch
- 13.30** **Part 2: new projects**  
Based on the results of the morning session (part 1), participants discuss and specify ideas for new projects and research tasks for SCCER Mobility 2017-2020
- 15.30** Coffee break
- 16.00** **Synthesis: workshop results and consequences for the future development of SCCER Mobility**  
*Plenum discussion, moderators: Prof. Andrea Vezzini, Prof. Konstantinos Boulouchos*
- 17.00** End of conference

### Please note

If you wish to propose a topic to be discussed in the morning session of the workshop (part 1), please give us a short notice via the [online form](http://www-sccer-mobility.ch) ([www-sccer-mobility.ch](http://www-sccer-mobility.ch)) or via email to [fiorella.meyer@sccer.ethz.ch](mailto:fiorella.meyer@sccer.ethz.ch).

You will be asked to deliver a few keywords in advance to support us preparing the session. Your input is most welcome!



# Contact

Management Office SCCER Mobility, ETH Zürich, Leonhardstrasse 27, 8092 Zürich  
Fiorella Meyer, [fiorella.meyer@sccer.ethz.ch](mailto:fiorella.meyer@sccer.ethz.ch), 044 633 85 86

## Registration | Hotel

There are no conference fees, registration is mandatory **latest until 31 July 2015** via our [website](http://www.sccer-mobility.ch) (www.sccer-mobility.ch) or directly via [online form](#). 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, portrait format) that will be displayed at the ML Halle on 26 August from 8.30 - 17.45. On the [SCCER Intranet](#) we provide a Power Point template with the SCCER Mobility Logo.

Please list your poster when registering for the conference and do not forget to upload it prior to the conference on the dedicated [intranet space](#) (www.sccer-mobility.ch) or send it by e-mail to [fiorella.meyer@sccer.ethz.ch](mailto:fiorella.meyer@sccer.ethz.ch)

## Topics for workshop (27 August)

If you wish to propose a topic to be discussed in the morning session of the workshop, please give us a short notice via the [online form](#) (www.sccer-mobility.ch) or via email to [fiorella.meyer@sccer.ethz.ch](mailto:fiorella.meyer@sccer.ethz.ch). You will be asked to deliver a few keywords in advance to support us preparing the session. Your input is most welcome.



## Location | ETH Zürich

**Conference 26 August** ML building | E floor | room 12  
entrance Tannen- or Clausiusstrasse

**Dinner 26 August** Dozentenfoyer | HG building | J floor

**Workshop 27 August** GEP Pavillon

## 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 ●

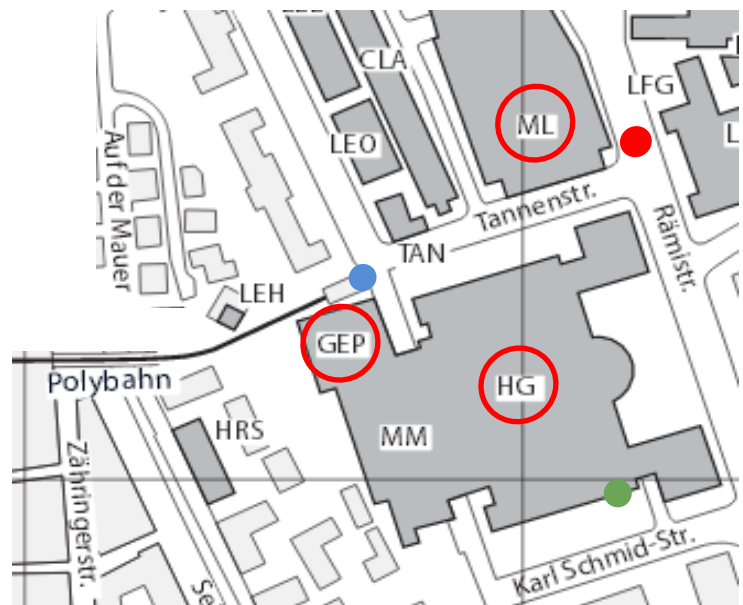
- or from "Bahnhofstrasse/HB" stop: **Tram no. 3** (towards Klusplatz) as far as "Central" stop (1 stop), from "Central" by Polybahn up to the **Polyterrasse**. ●

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 see ETH website](#)