



4th Annual Conference SCCER Mobility

15 September 2017

ETH Zürich
ML building
E-floor | auditorium 12

In cooperation with the CTI



Energy funding programme
Swiss Competence Centers for Energy Research



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

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Program

8.30 Registration and coffee

9.15 Welcome and Introduction by the SCCER Mobility Head

Keynotes

9.25 **Scenarios for drivetrains, fuels and technologies of heavy duty vehicles**
Dipl.-Ing. Andreas Lischke, German Aerospace Center DLR Berlin, Institute of Transport Research

10.05 **Relevant parameters for the transition of mobility to a „decarbonized world“**
Dipl.-Ing. Michael Frambourg, Volkswagen AG, Group Research Powertrain

10.45 Coffee break

Cross-cutting sessions

11.15 **Topic 1: The logistic challenge in Switzerland**

Moderator: Christian Bach, Empa

Speakers: Dr. Gil Georges, ETH Zürich
Jasmin Bigdon, SBB Cargo
Ville Heimgartner, Imagine Cargo
Dr. Philipp Dietrich, H2energy

12.20 **Preselected poster presentations - 3 min speeches**

12.50 Lunch and poster session

14.15 **Topic 2: Passenger mobility in Swiss cities and regions**

Moderator: Prof. Dr. Stefanie Hellweg, ETH Zürich

Speakers: Prof. Dr. Martin Raubal, ETH Zürich
Dr. Nicole Mathys, Federal Office for Spatial Development ARE
Christina Spoerry, Leiterin Verkehrsstrategie, Tiefbauamt der Stadt Zürich

15.30 **Topic 3: Energy for transportation**

Moderator: Dr. Stefan Hirschberg, Paul Scherrer Institute PSI

Speakers: Prof. Dr. Konstantinos Boulouchos, ETH Zürich
Dr. Rolf Schmitz, Federal Office of Energy, BFE
Marcel Morf, Alpiq

16.30 Best Poster Award

16.35 Closure and conclusions

16.45 Apéro and poster session

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CV of keynote speakers

Dipl.-Ing. Andreas Lischke

Research Associate and Group Leader, Institute of Transport Research, German Aerospace Center DLR, Berlin

Andreas Lischke received his graduate degree in transport engineering, with a specialization in railways operation, from the Institute of Transport (Hochschule für Verkehrswesen) in Dresden, Germany. After working for Deutsche Bahn for several years (1994-2001), he joined the Institute of Transport Research, German Aerospace Center (DLR), Berlin, in 2001. There, he worked on research topics concerned with rail freight transport, CO₂ emissions from freight transport, intermodal road/rail transport and freight transport modeling. From 2008-2014, Andreas Lischke was also a member of the European Council of Transport Research Institutes in the working group freight transport. Since 2014, he leads the group 'Innovation, Trends and Transport Systems in Commercial Transport' at DLR, which focusses on, among others, the development and market diffusion of alternative power train technologies and the application of intelligent transport systems.

www.dlr.de



Dipl.-Ing. Michael Frambourg

Executive Manager, Group Research Powertrain, Volkswagen AG, Wolfsburg

Michael Frambourg received his graduate degree in mechanical engineering at the Technical University of Braunschweig (Germany), majoring in combustion engines and continuous-flow machines. From 1996-2010, he worked in the division of 'Mechatronic Diesel-Systems' at IAV (Ingenieurgesellschaft Auto und Verkehr GmbH) in Gifhorn, Germany. During this time, he held various positions including project manager and executive manager 'Combustion System and Concepts'. Since 2010, Michael Frambourg is the executive manager 'Combustion Engine' in the Powertrain Research Group at Volkswagen AG in Wolfsburg, Germany.

www.volkswagenag.com



Contact

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Registration | Hotel

There are no conference fees, registration is mandatory **latest until 10 September 2017** via our [website](http://www.sccer-mobility.ch) (www.sccer-mobility.ch) or directly via [doodle](https://www.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 31 August 2017** on the dedicated [intranet space](#) (www.sccer-mobility.ch) or send it by e-mail to fiorella.meyer@sccer.ethz.ch. Only posters uploaded by that date will be eligible for the "Best Poster Award".

"**Best Poster Award**" will be granted during the Annual Conference. The 6 pre-selected researchers will have the opportunity to present their poster in a 3-minute presentation (poster pitch) during the Annual Conference.

Location | ETH Zürich

Conference ML building | E floor | auditorium 12
entrance Clausius-/Tannenstrasse

**Poster session,
lunch and apéro** ML building | E floor | Turbinenhalle

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](#)

