

Dear Reader

We are pleased to bring you the latest SCCER Mobility news. This issue communicates major advancements and events of our research platform. Enjoy reading!

Dr. Gloria Romera, Co-Managing Director SCCER Mobility

## Management Office News

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### **Feedback from the SCCER Steering Committee about the first year of operation: well on track!**

In January this year, we received the first feedback from the SCCER Steering Committee. The report acknowledged our effort and high motivation in establishing the Competence Center and in building up the research capacities required to accomplish the proposed research and innovation tasks. The report also conveys several recommendations for the continuation: The Steering Committee encourages the SCCER Mobility to further clarify its mission by specifying strategic goals which go beyond the accumulation of individual projects and focuses on how our research contributes to the transformation of the Swiss energy system. According to the SCCER Steering Committee, the potential for internal and external cooperation, both with our industrial cooperation partners and with the other SCCERs, can be further exploited. The Management Office is convinced that with the support from the Capacity Area Coordinators and our research groups we are well on track to meet these recommendations.

### **SCCER Mobility 2017-2020 – Proposal Preparation Process Started**

Financing for the first phase of SCCER Mobility runs out at the end of 2016. For the second phase (2017-2020), a new proposal must be submitted to the CTI by March next year. The Executive Committee of SCCER Mobility launched the preparation process for this proposal with a first internal discussion at its last meeting on 7 July, emphasizing that the new proposal is both a challenge and a chance to further strengthen cooperation and exchange within SCCER Mobility and with our external partners. At our 2<sup>nd</sup> Annual Conference, taking place on the 26 and 27 August 2015, members and cooperation partners of SCCER Mobility will have the opportunity to bring in their ideas for new topics and projects to be taken up in the second phase (see also below).

### **Strategic Guidance Project**

The SCCER mobility project „strategic guidance“ aims at quite literally mapping the research landscape of the competence center in terms of interventions. By intervention we mean any technical or demand-side measure capable of impacting the system in a quantifiable manner. At the core, the project builds on a detailed technical model under continuous development at the Energy Systems Group of ETHZ-LAV (Prof. Boulouchos). Relying on highly resolved vehicle usage data, the model reflects the status-quo of our current mobility system. Progressively, its scope is widened to eventually include the entire intervention portfolio studied within the SCCER. This occurs in close collaboration with the research specialists at SCCER, so as to formally combine their individual expertise into a holistic systemic perspective. On the one hand, the systematic cataloguing of the SCCER structures, and visualizes, the

relationships and potentials of the wide range of activities at a very high, strategic level. On the other hand, the project also furthers the dialogue between researchers and provides them with valuable feedback, hopefully prompting the identification of promising research directions for the transformation of the mobility system towards sustainability. Do you want to know more? Contact: [Gil Georges](#) or join the open workshop on 27 August.

## Highlights

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**GoEco! A community based eco-feedback approach to promote sustainable personal mobility styles.** Private motorized transport is still perceived as positive and desirable even though alternative, and more energy-efficient, mobility options are available. The project GoEco! aims at understanding whether eco-feedback and social interaction can be effective triggers to foster changes in personal mobility behavior.

We are looking for people from Ticino or Zürich who are willing to change their mobility style. Participating in our study will enable you to test a smartphone app that:

- tracks your trips and provides you with eco-feedback on your mobility behavior,
- suggests alternative, low-impact modal options,
- lets you define personal reduction targets, and
- gives you access to an interactive user community (share and compare your performance).

For more information and to sign-up for GoEco! see: [www.goeco-project.ch](http://www.goeco-project.ch)

GoEco! is a cooperation between SUPSI (Dr. Roman Rudel) and ETH Zurich (Prof. Dr. Martin Raubal).

**The Energy Storage Research Center ESReC at the core of the Swiss Battery Research Platform [ESReC](#),** one of the largest battery technology research platforms available to industrial R&D projects in Switzerland, is now fully operational.

### **Goodbye supply lines: how buses become flexible**

Prof. Vinzenz Härrli and his team of HSLU Lucerne present new solutions for [public transportation in Switzerland](#).

Please visit the SCCER Mobility web page for more [highlights](#) from our partners.

## Upcoming Events

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

The 2<sup>nd</sup> Annual Conference of SCCER Mobility will take place on **26 and 27 August 2015** at ETH Zürich. The conference will be an opportunity for our academic and industrial partners, as well as other interested parties, to discuss the most relevant research results achieved, find new cooperation partners, and contribute to the future direction of SCCER Mobility. For more details please consult the [Conference Program](#). Registration is now open until 31 July 2015.

### **Swiss Energy and Climate Summit 2015 – Reduced Participation Fee for SCCER Mobility Members**

On 16 and 17 September, the 4th Swiss Energy and Climate Summit (SwissECS) takes place in Bern under the motto **“Unlock the Potential”**. With over 800 participants from business, politics and academia, the summit addresses current energy and climate issues with keynote speeches, interactive

podiums, and an exhibition zone featuring promising energy and environmental technologies ([www.swissecs.ch](http://www.swissecs.ch)). Academic members of SCCER Mobility pay a [reduced participation fee](#).

## Recent Events

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### FOT Policy Division visits SCCER Mobility

On 23 June, Professors Martin Raubal (ETHZ) and Vinzenz Härrli (HSLU), together with Dr. Valerio de Martinis (ETHZ), presented ongoing SCCER Mobility research to over 40 members of the Policy Division of the Swiss Federal Office of Transport (FOT). According to Gery Balmer, head of the Division, the event was very well received by him and his staff. We thank the participating SCCER Mobility members for their contributions.

### Young Talent Development workshops successfully launched

Within our Young Talent Development Program, a [Life Cycle Assessment \(LCA\) Workshop](#) took place on 11 June 2015 at ETH Zürich. More than 30 participants obtained an introduction to LCA and discussed solutions for the type of environmental assessment most helpful for their own project.

If you are interested in a specific topic, or if you would like us to invite an expert in a particular field of mobility research, please contact the [Management Office](#). Your ideas are most welcome!

### SCCER-f Round Table

On 21 May the first [SCCER-f Round Table](#), a networking opportunity for female researchers of all SCCERs, took place at ETH Zürich with Prof. Chiara Daraio, Chair of Mechanics and Materials at ETH Zürich. Prof. Daraio shared insight into her remarkable scientific career path and biography.

## SCCER's

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The Swiss Competence Centers for Energy Research are moving towards their second year of operation. First results and consolidated topics will be presented at the annual conferences this year. Participating at the other Annual SCCER's Conferences is an excellent means to receive an overview of the research topics and to discover possible cooperation topics between SCCER's. The next Conferences are:

- SCCER SoE (Competence Center Supply of Electricity) [2nd Annual Conference](#): Challenges and Prospects of HydroPower and Deep Geothermal Electricity Production in Switzerland, 10 - 11 September 2015, Université de Neuchâtel, Faculté des Sciences
- SCCER CREST (Competence Center for Research in Energy, Society and Transition) [2nd Conference](#): On the implementation of the energy Transition: The Impact of Economic, Environmental and Political Action, 8 September 2015, University of St. Gallen

## SCCER Mobility Glossary

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This section is intended to widen the common ground between all the SCCER Mobility partners and to clarify the particularities of the SCCER program. We will try to feature particular terminology from the

different disciplines within the program. Contributions from our members are welcome. To make suggestions for this section, please contact the Management Office.

In this first issue, we would like to provide the reader with the governance structure of the SCCER Mobility:

The SCCER Mobility **Board** is the highest governing body and is responsible for the strategic direction of SCCER Mobility. In particular, it assures that the competence center accomplishes its goals. In addition to the Head and the Deputy Head, the board is composed of four representatives of the Academic Research Partners and five representatives of the industrial cooperation partners of SCCER Mobility. The [Board](#) meets two times per year.

The **Advisory Board** is composed of one representative of each cooperation partner of SCCER Mobility. It gives advice on the scientific and strategic planning. Many members of the Advisory Board also work closely with the research groups of SCCER Mobility to initiate new research projects, leading to the implementation of the competence center's roadmap. The [Advisory Board](#) meets once per year.

The **Executive Committee** overlooks the capacity building and the research activities of SCCER Mobility and ensures the quality of the deliverables. It is composed of the [Coordinators and Deputy Coordinators](#) of the five Capacity Areas of SCCER Mobility and meets five to six times a year. The Capacity Area Coordinators oversee the technical activities within their capacity area. They coordinate the planned work and look for synergies within and across capacity areas.

A complete [organigram](#) of SCCER Mobility can be found on our web page.

## Quiz

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Which frequency is used by the SBB Railway power network? The first person to send the correct answer to [fiorella.meyer@sccer.ethz.ch](mailto:fiorella.meyer@sccer.ethz.ch) will be the winner. (e-mail subject: QUIZ)

This information is provided by the Management Office of **SCCER Mobility**.

Our newsletter comes out 2-3 times a year, If you have information you would like to share, please contact [gloria.romera@sccer.ethz.ch](mailto:gloria.romera@sccer.ethz.ch)

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