



Newsletter

No. 18 / December 2020

Dear Reader

With this last newsletter it is time to say goodbye to the SCCER Mobility. During the last 7 years and with the help of the management office, our researchers have reported on the results and the progress of the projects within the framework of the SCCER Mobility. An increasing number of recipients of this newsletter and high click rates have shown the level of interest in our work, for which we would like to say thank you. As always the end of something is the beginning of something new. Research in the field of mobility will continue within different funding programs setup in the last year, e.g. SWEET.

We are looking forward to see how this interesting topic will continue to be in the center of the research activities for the energy system transition towards a net zero society in 2050.

K. Boulouchos / A. Vezzini

News & Highlights



Farewell from the Management Office

This will be the final issue of our newsletter as SCCER Mobility draws to an end this year. We would like to take this opportunity to thank you for your involvement and interest in SCCER Mobility. Pascal Sonder and Kirsten Oswald will leave the management office at the end of the year, Gloria Romera will be available until the end of February 2021 for submission of the financial report and last milestone reports. Our website will remain online for you for the next few years.

[SCCER Mobility website](#)



New funding opportunities for mobility research!

As the SCCER program is coming to an end, the Swiss Federal Office of Energy continues to provide support and funding for the energy research community in Switzerland. The Research Programme Mobility Call 2021 "Future Transport Systems" focuses on systemic aspects of the transport sector, in particular new concepts for freight transport, leisure traffic and multimodal mobility as well as analyses and perspectives of the system. Questions about the call can be directed to **Luca Castiglioni** until 21 December and submission deadline is 1 March 2021.

[Read more](#)



SWEET Call 1-2021 "Living and Working"

The Swiss Energy research for the Energy Transition (SWEET) Call 1-2021 "Living and Working" will open in the first quarter of 2021. This call focuses on energy-relevant aspects of everyday life with an emphasis on buildings, city districts and mobility. It is aimed at large, inter- and transdisciplinary research consortia that plan to conduct their research in conjunction with a suitable "living lab".

[Read more](#)



Annual Conference 2020

The seventh and last SCCER Mobility Annual Conference took place on 23 November 2020 via Zoom. Due to the circumstances, we decided to host the conference in a full virtual and condensed format. More than 140 experts from academia, government agencies and industry registered and participated. In case you were not able to attend or would like to revisit the event, all presentations, posters, and recordings are available on our website!

[Read more](#)

SCCER Mobility Synthesis Book

At the beginning of 2020, the Executive Committee decided to publish a synthesis book of the 7 years of operation of SCCER Mobility. The aim was to give an overview of the center, its history, milestones and the main research outputs. We also wanted to spotlight the involved principal investigators, groups, scientists and industry partners. Download your copy now and enjoy reading!

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[More news highlights](#)



New structure of the MAS | CAS program

Each semester the MAS ETH in Future Transport Systems will start with either the CAS Systems Aspects, Technology Potentials or New Business Models. Along with the completion of the Master's Thesis Module (during one semester), participants can graduate from the program in two years. The simplified structure allows an entry into the program at any time. The above-mentioned CAS courses repeat after three semesters, this increases the frequency so that the management can quickly incorporate latest technical research and innovation as well as policy changes into the course curriculum.

[Read more](#)



New module: System aspects of aviation and freight transport!

The technology for long haul freight transport on cargo ships with reduced CO₂ emissions is already available. ABB and Hydrogène de France signed a memorandum of understanding to develop a megawatt-fuel cell system for long haul cargo and passenger vessels, only one of several new initiatives to reduce CO₂, NO_x, SO₂ and particulate matter emissions drastically. However, the current business relations between ship owners and shipping companies do not promote the deployment of such clean propulsion technologies. The former because the investment costs are still very high, the latter because they only have a short-term interest spanning the overseas journey. The new module “System aspects of aviation and freight transport” deals with these topics.

[Read more](#)

Quiz

Solution of the previous quiz: A total of 115 000 km were covered by the vehicles of a field test performed by researchers at ETH Zurich and Empa. The winner was Markus Hackenfort, Professor at Zurich University of Applied Sciences. Congratulations!

This information is provided by the SCCER Mobility Management Office. This is the last newsletter issued by SCCER Mobility.

If you would like to stay in touch with the MAS | CAS ETH in Future Transport Systems and follow the latest developments of the program, please [subscribe](#) to their biannual newsletter starting in spring 2021.