## SCCER-Mobility 2nd Annual Conference

**Wednesday, 26 August 2015 – ETH Zürich, Turbinenhalle**

**Poster Session**

### Capacity Area A1

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| 1   | Development and characterization of a novel Li-ion battery pack for the Swiss Federal Railways (SBB) | Christian Vögtli, Andrea Vezzini  
BFH-CSEM Energy Storage Research Center  
ESReC, Institute for Energy and Mobility Research  
Bern University of Applied Sciences |
| 2   | Increasing the energy efficiency of the rolling stock of SBB: goals, challenges and opportunities | Ueli Kramer, Andrea Vezzini  
BFH-CSEM Energy Storage Research Center  
ESReC, Institute for Energy and Mobility Research  
Bern University of Applied Sciences |
| 3   | Test Rigs for Thermal Cell- / Module-Evaluation of Lithium-Ion Batteries for E- & Hybrid Vehicles | Dr.-Ing. Gerhard Rizzo, M.Eng. Rouven Christen, BSc FHO Alfred Gadola,  
Prof. Dr.-Ing. Max Stöck  
Interstaatliche Hochschule für Technik Buchs NTB |
| 4   | Comparison of High Power Non-Isolated Multilevel DC-DC: Converters for Medium-Voltage Battery Storage Applications | Milos Stojadinovic, Jürgen Biela  
Laboratory for High Power Electronic Systems,  
ETH Zürich |
| 5   | Active Balancing Battery-Management-System für Stromer | Yassin Kelay, Andrea Vezzini  
BFH-CSEM Energy Storage Research Center  
ESReC, Institute for Energy and Mobility Research,  
Bern University of Applied Sciences |
| 6   | Projekt UFCEV (Ultra-fast charging of electric vehicles)  
100kWh-Lithium-Eisenphosphat-Speicher | Grzegorz Dziechciaruk, Patrick Haldi,  
Andrea Vezzini  
BFH-CSEM Energy Storage Research Center  
ESReC, Institute for Energy and Mobility Research  
Bern University of Applied Sciences |
| 7   | Systems and Components for E-Mobility | Patrick Habermacher, Vinzenz V. Härri  
HSLU Luzern |
| 8   | Lithium-ion battery based energy storage and battery management systems for electric and hybrid vehicles | Alejandro Santis, Andrea Vezzini  
BFH-CSEM Energy Storage Research Center  
ESReC, Institute for Energy and Mobility Research  
Bern University of Applied Sciences |
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*University of Applied Sciences and Arts of Southern Switzerland SUPSI, Institute for Applied Sustainability to the Built Environment (ISAAC)* |
| 34  | Transformation of Mobility. Context Perspective B2.4                  | Merja Hoppe, Alberto Castro  
*University of Applied Sciences ZHAW* |
| 35  | Strategic Guidance Project: an overview                              | Lukas Küng, Gil Georges  
*Aerothermochemistry and Combustion Systems Laboratory, ETH Zürich* |
| 36  | Environmental and Cost Assessment of Motorcycles                       | Brian Cox, Chris Mutel  
*Paul Scherrer Institut – LEA, Villigen* |
| 37  | Energy Economics Modelling of the Swiss Transport Sector               | Rashid Waraich, Kannan Ramachandran  
*Paul Scherrer Institut – LEA, Villigen* |
| 38  | GoEco! A smartphone application leveraging eco-feedback and gamification techniques to nudge sustainable personal mobility styles | Francesca Cellina, Vanessa de Luca, Nikolett Kovacs, Andrea E. Rizzoli, Roman Rudel  
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Dominik Bucher, Paul Weiser, Martin Raubal  
*Institute of Cartography and Geoinformation, Chair of Geoinformation-Engineering, ETH Zürich* |
| 39  | Environmental Assessment of Airplanes                                 | Brian Cox, Wojciech Jemiolo and Chris Mutel  
*Paul Scherrer Institut – LEA, Villigen* |

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*EPFL Valais, LEPA* |
| 41  | Decreasing used vehicle's survival rate with green taxation: The case of Obwalden, Switzerland" (bei B2) | Anna Alberini, Markus Bareit, Massimo Filippini and Adan L. Martinez-Cruz  
*ETH Zürich, Centre for Energy Policy and Economics (CEPE)* |
| 42  | Batterikoura – granular “caviar” battery project (bei A1)              | Sergei Startchik  
*Batterikoura, Geneva* |