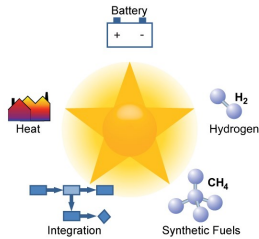


Heat & Electricity Storage

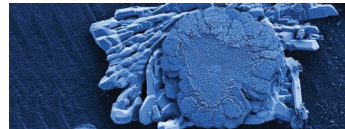
2nd Symposium



May 5, 2015
Paul Scherrer Institut

Room: Auditorium WHGA/001
5232 Villigen PSI (West)

Electrochemical Energy Storage: A Key for Future Energy Systems



May 6, 2015
Paul Scherrer Institut

Room: Auditorium WHGA/001
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31st PSI Electrochemistry Symposium

Heat and Electricity Storage 2nd Symposium of the SCCER

May 5, 2015

- 9:00 Registration and Coffee
- 9:30 Welcome and Introduction
[Prof. Dr. Thomas J. Schmidt](#)
- 9:45 [An Overview of the UK Energy Storage Research Network and Supergen Energy Storage Hub](#)
[Video](#) [Prof. Dr. Nigel Brandon](#), Imperial College, UK
- 10:15 [A Combined Experimental and Theoretical Study of Sodiation and Desodiation Reactions of Tin and Tin Alloys: Interface and Bulk Processes](#)
[Video](#) [Dr. Claire Villeveuille](#), Petr Novak, PSI, CH
- 10:45 [Li-ion Batteries for use in Public Transportation Infrastructure](#)
[Dr. Dipl.-Ing. Timothy Patey](#), [ABB Schweiz AG](#)
- 11:15 Coffee Break
- 11:45 [Modelling and Simulation of High-Temperature TES Systems](#)
[Video](#) [Dr. Maurizio Barbato](#), SUPSI, CH
- 12:15 [Adiabatic CAES: The ADELE-ING project](#)
[Dr.-Ing. Stefan Zunft](#), DLR, D
- 12:45 Meet and Eat: Poster Session
- 14:15 [Catalysts for Water Splitting using Renewable Energy](#)
[Video](#) [Prof. Dr. Kevin Sivula](#), EPFL, CH
- 15:15 [sunfire Power-to-Liquids: Fuels and Chemicals from CO₂, Water and Renewable Energy](#)
[Video](#) [Christian von Olshausen](#), Sunfire, D
- 15:45 Coffee Break
- 16:15 [Development and First Application of an Assessment Method for Energy Storage](#)
[Video](#) [Dr. Christian Bauer](#), Paul Scherrer Institut, CH
[Dr. David Parra](#), Uni Genf, CH
- 16:45 [The Energy Systems Integration Platform at PSI](#)
[Video](#) [Dr. Peter Jansohn](#), Paul Scherrer Institut, CH
- 17:15 Wrap-up
[Prof. Dr. Thomas J. Schmidt](#)

Electrochemical Energy Storage: A Key for Future Energy Systems

May 6, 2015

- 9:00 Registration and Coffee
- 9:30 Welcome and Introduction
[Prof. Dr. Thomas J. Schmidt](#)
- 9:45 [Sunlight-Driven Hydrogen Formation by Membrane Supported Photoelectrochemical Water Splitting](#)
[Prof. Dr. Nate Lewis](#)
California Institute of Technology, USA
- 10:45 [Electrolyte-less Design of PEC Cells for Solar Fuels](#)
[Prof. Gabriele Centi](#)
University of Messina, Italy
- 11:45 Meet and Eat: Poster Session
- 13:15 [The Potential of Hydrogen for Future Energy Systems](#)
[Prof. Dr. Detlef Stolten](#)
Research Center Jülich, Germany
- 14:15 [Electrolytes as Key to New Battery Technologies](#)
[Prof. Dr. Martin Winter](#)
University of Münster, Germany
- 15:15 [Recent Advances on Li-batteries and Beyond](#)
[Prof. Dr. Jean-Marie Tarascon](#)
Collège de France, Paris, France
- 16:15 Summary
[Prof. Dr. Thomas J. Schmidt](#)
- Farewell Coffee



In cooperation with the CTI

Energy funding programme
Swiss Competence Centers for Energy Research

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