**Heat and Electricity Storage**

**2nd Symposium of the SCCER**

**May 5, 2015**

**Paul Scherrer Institut**

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

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**Electrochemical Energy Storage:**

**A Key for Future Energy Systems**

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### Electrochemical Energy Storage Symposium

#### May 5, 2015

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<th>Time</th>
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<td>9:00</td>
<td>Registration and Coffee</td>
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| 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  
  **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  
  **Dr. Claire Villevieille**, 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  
  **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  
  **Prof. Dr. Kevin Sivula**, EPFL, CH |
  **Christian von Olshausen**, Sunfire, D |
| 15:45 | Coffee Break |
| 16:15 | Development and First Application of an Assessment Method for Energy Storage  
  **Dr. Christian Bauer**, Paul Scherrer Institut, CH  
  **Dr. David Parra**, Uni Genf, CH |
| 16:45 | The Energy Systems Integration Platform at PSI  
  **Dr. Peter Jansohn**, Paul Scherrer Institut, CH |
| 17:15 | Wrap-up  
  **Prof. Dr. Thomas J. Schmidt** |

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| 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 |
  **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** |

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**Video**

**31st PSI Electrochemistry Symposium**

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