Storage
Swiss Competence Centers
for Energy Research

PAUL SCHERRER INSTITUT
PSI

Annual Symposium 2014

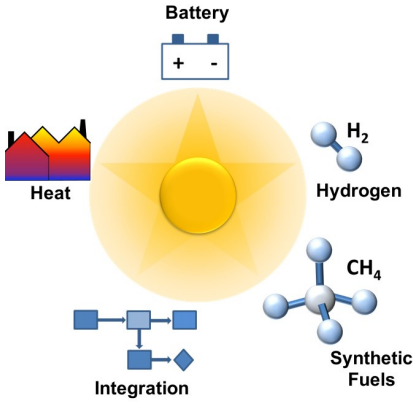
November 4.

Paul Scherrer Institut

Room: Auditorium WHGA/001

5232 Villigen PSI (West)

Heat & Electricity Storage



Program

9:00	Registration and Coffee	
9:30	Welcome and Introduction	Prof. Dr. Thomas J. Schmidt (PSI, Electrochemistry Laboratory)
	Session I: Advanced Batteries and Battery Materials	
9:45	Advanced Electrode Materials for Li-ion and Na-ion batteries, and beyond	Prof. Dr. Maksym Kovalenko (Laboratory of Inorganic Chemistry EHTZ)
10:15	Batteries in the Challenge of Expectations and Realizations	Dr. Pascal Häring (Renata SA)
10:45	Coffee Break	
	Session II: Storage of Thermal Energy	
11:00	Overview of SCCER Heat-Storage Research and Development Efforts	Dr. Andreas Haselbacher (Institute of Energy Technology, ETH Zürich)
11:30	Industrial Packed Bed of Rocks Thermal Energy Storage	Dr. Gianluca Ambrosetti (Airlight Energy Holding SA)
12:00	Meet and Eat: Poster Session	
	Session III: Hydrogen Production and Storage	
13:15	Advances in Hydrogen Production and Storage	Prof. Dr. Andreas Züttel (EMPA Materials Science & Technology)
13:45	Megawatt Scale PEM Electrolysis for Energy Storage Applications	Dipl. Ing. Marc Uffer (Diamond Lite SA)
	Session IV: Catalytic and Electrocatalytic CO_2 Reduction	
14:15	Catalytic and Electrocatalytic CO2 Reduction: the Genesis of Working Group 4 in the SCCER Heat & Electricity Storage	Prof. Dr. Paul Joseph Dyson (EPFL ISIC LCOM)
14:45	Power-to-Value Concepts for Storage of Renewable Energy	Dr. Günter Schmid (Siemens AG)
15:15	Coffee Break	
	Session V: Technological Interaction of Storage Systems	
15:30	Technology Interaction of Storage Systems - Gaining Flexibility between the Energy Grids	Prof. Dr. Jörg Worlitschek (Hochschule Luzern)
16:00	Das Hybridwerk Aarmatt	Mr. Marcel Rindlisbacher (Regio Energie Solothurn)
16:30	Socio-economic energy research and its potential relevance for storage	Prof. Dr. Frank Krysiak (Department of Business and Economics University of Basel)
17:00	Wrap-up	Prof. Dr. Thomas J. Schmidt (PSI, Electrochemistry Laboratory)

Travel and Accommodation

PSI is located in northern Switzerland, approximately midway between Zürich and Basel. The nearest towns and railway stations are Baden and Brugg. Frequent air and train connections via Zürich or Basel are available from all major European cities.

To find PSI by car

You can reach PSI via Brugg or Baden.

Via Brugg:
Follow the Koblenz–Zurzach signs through Brugg. After passing through Lauffohr and a short hill, branch off to the left towards Remigen/Villigen; then after about 500 m turn right towards Villigen. Approximately 1 km after leaving Villigen you will reach PSI-West. You can drive to PSI-East via the bridge over the river Aare.

Via Baden:
Follow the Koblenz–Zurzach signs through Baden. Drive through Nussbaumen, Untersiggenthal and Station Siggenthal. Approximately 1.5 km beyond the roundabout, follow the sign left towards PSI at the crossroads and you will reach PSI-East. You can drive to PSI-West via the bridge over the river Aare.

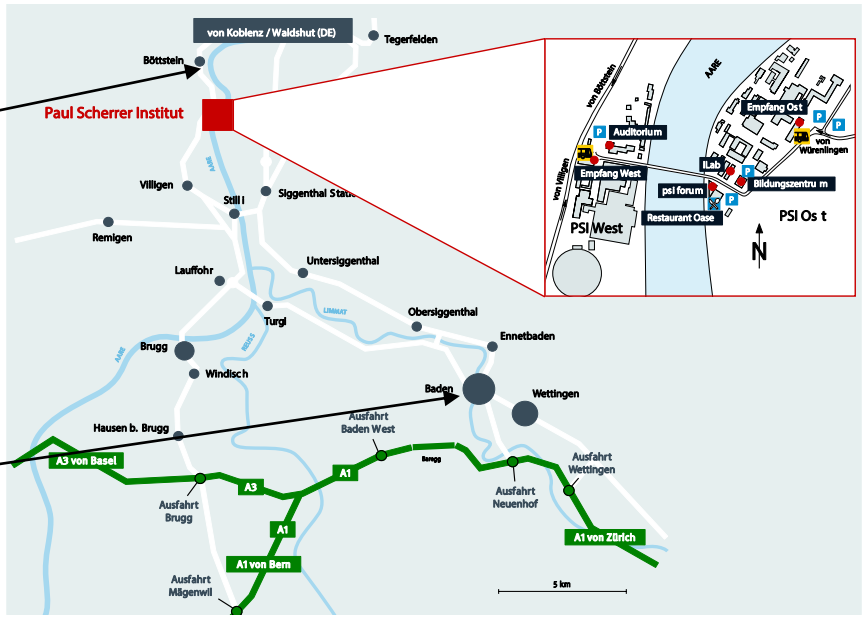
Programming of the navigation system:
For PSI West: enter city "Villigen", street "PSI"
For PSI East: enter city "Würenlingen", street "PSI"
It is permitted to use the connecting road across the river Aare.

To reach PSI by public transport (www.sbb.ch)

Brugg is on the train line (Zürich–Basel, Zürich–Bern). You can take a public bus (Postauto) from Brugg railway station. Take the Brugg–PSI–Böttstein–Döttingen bus, and within 20 minutes you will arrive at PSI.

When you land at the airport

There is an SBB railway station at the International Airport at Zürich-Kloten. Take the train to Brugg and a public bus (Postauto) from Brugg railway station to Villigen PSI.



Hotel:

Hotel Schloss Böttstein
5315 Böttstein
Bus stop: “Böttstein, Schloss”
Phone: +41 (0)56 269 1616
Fax: +41 (0)56 269 1666
E-Mail: info@schlossboettstein.ch
www.schlossboettstein.ch
at a rate of CHF 110, including breakfast.

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Römerstrasse 24
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In cooperation with the CTI

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Commission for Technology and Innovation CTI