

Kompetenzzentrum Thermische Energiespeicher CC TES | Eventreport vom 22. Januar 2021

# 8th Swiss Symposium Thermal Energy Storage 2021



## Mappen-Überblick

### **Online-Event**

8th Swiss Symposium Thermal Energy Storage

### **Date**

Friday, 22 January 2021

08:30 - 13:00

### **Participation**

online via video conference platform

## Language

English

## Organized by

Competence Center Thermal Energy Storage (CC TES), Lucerne School of Engineering and Architecture, in collaboration with the Swiss Competence Center for Energy Research (SCCER) Storage of Heat and Electricity

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**This year, the «Swiss Symposium Thermal Energy Storage» once again offered an ideal platform to exchange knowledge and experience in thermal energy storage. The goal of the SSTES is to create a lively dialog between representatives from industry and research in the energy, industry and building technology sectors. The symposium is aimed at everyone who sees the potential in thermal energy storage systems or would like to gain an in-depth insight into the technological possibilities associated with it.**

In the eighth edition of the symposium, experts and specialists gave insights into the development of thermal energy storage and reflected on an important period of Swiss energy research, which was driven by the «Swiss Competence Centers for Energy Research (SCCER)» funding and networks. The event gave room for both reflection and envisioning ways towards a sustainable energy future.

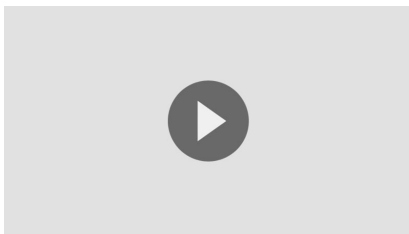
## Lead Presentation & Networking Links

Jörg Worlitschek, Head Competence Center Thermal Energy Storage at HSLU

### Download presentation

**Contact:** [joerg.worlitschek@hslu.ch](mailto:joerg.worlitschek@hslu.ch)

# Session I: Transforming the energy system



### **00:13:40 - Scenarios for the future energy systems in Switzerland and the role of energy storage**

Gianfranco Guidati, Manager of the SCCER Supply of Electricity and the Joint Activity on Scenarios & Modeling at ETH Zurich

### Download presentation

**Contact:** [gianfranco.guidati@sccer-soe.ethz.ch](mailto:gianfranco.guidati@sccer-soe.ethz.ch)

### **00:25:20 - Swiss energy system assessment - Learnings and outlook**

Martin K. Patel, Professor - Chair for Energy Efficiency at the University of Geneva

### Download presentation

**Contact:** [martin.patel@unige.ch](mailto:martin.patel@unige.ch)

### **00:41:00 - Social and spatial planning aspects of transformation processes**

Ulrike Sturm, Professor - Head of the Institute of Sociocultural Development at HSLU

### Download presentation

**Contact:** [ulrike.sturm@hslu.ch](mailto:ulrike.sturm@hslu.ch)

### **00:55:20 - Water pit storage. Role in energy system, design and experience from Denmark**

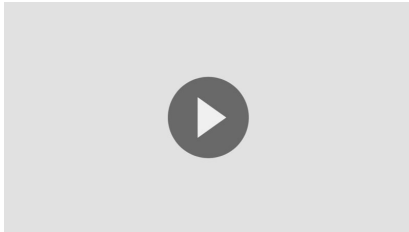
Simon Furbo, Associate Professor at the Technical University of Denmark

**Download presentation**

**Contact:** [sf@byg.dtu.dk](mailto:sf@byg.dtu.dk)

**Moderation:** Jörg Worlitschek, [joerg.worlitschek@hslu.ch](mailto:joerg.worlitschek@hslu.ch)

## Session II: Highlights of Swiss thermal storage research



**00:01:00 - High-temperature heat storage: science and technology development**

Sophia Haussener, Associate Professor – Head of Laboratory of Renewable Energy Science and Engineering at EPFL

**Download presentation**

**Contact:** [sophia.haussener@epfl.ch](mailto:sophia.haussener@epfl.ch)

**00:12:45 - Compressed Air Energy Storage in Switzerland: Current Status and Next Steps**

Maurizio C. Barbato, Professor – Head of Thermo-Fluid Dynamics Laboratory at SUPSI

**Download presentation**

**Contact:** [maurizio.barbato@supsi.ch](mailto:maurizio.barbato@supsi.ch)

**00:22:45 - Low temperature heat storage: Increasing power and capacity**

Anastasia Stamatiou, Head of Research Group Latent Energy Storage at HSLU

**Download presentation**

**Contact:** [anastasia.stamatiou@hslu.ch](mailto:anastasia.stamatiou@hslu.ch)

**00:34:20 - Developments in thermochemical heat storage**

Luca Baldini, Head of Building Energy Systems and Technologies Group at Empa

**Contact:** [luca.baldini@empa.ch](mailto:luca.baldini@empa.ch)

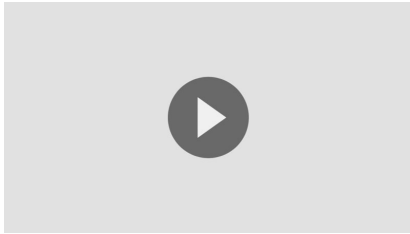
Paul Gantenbein, Senior Researcher SPF at Ostschweizer Fachhochschule

**Contact:** [paul.gantenbein@ost.ch](mailto:paul.gantenbein@ost.ch)

**Download presentation**

**Moderation:** Philipp Schütz, [philipp.schuetz@hslu.ch](mailto:philipp.schuetz@hslu.ch)

## Session III: Thermal storage in practice



**00:01:00 - Thermal storage in domestic heat pumps**

Morten Veis Donnerup, Co-founder and CEO of SUNTHERM

**Download presentation**

**Contact:** [mvd@suntherm.dk](mailto:mvd@suntherm.dk)

**00:13:40 - Compact thermal storage for increased PV self-consumption**

Remo Waser, Co-Founder at Cowa Thermal Solutions AG

**Download presentation**

**Contact:** [remo.waser@hslu.ch](mailto:remo.waser@hslu.ch)

**00:24:12 - Energiewende Bern - Rolle Geospeicher**

Martin Jutzeler, Project Leader for System optimisation energy systems at Energie Wasser Bern

**Download presentation**

**Contact:** [martin.jutzeler@ewb.ch](mailto:martin.jutzeler@ewb.ch)

**00:37:14 - Energy Tower Schwyz**

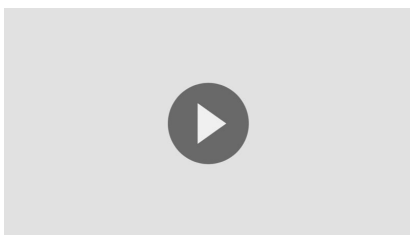
Florian Hemmerlein, Fachspezialist für Fernwärmenetze und Energieerzeugungsanlagen at ecocoach AG

**Download presentation**

**Contact:** [florian.hemmerlein@agroenergie.ch](mailto:florian.hemmerlein@agroenergie.ch)

**Moderation:** Ludger Fischer, [ludger.fischer@hslu.ch](mailto:ludger.fischer@hslu.ch)

## Plenary discussion



**Benoît Revaz**

Director of the Swiss Federal Office of Energy

**Dr. Andreas Kemmler**

Senior Project Manager at Prognos AG

**Moderation:** Jörg Worlitschek, [joerg.worlitschek@hslu.ch](mailto:joerg.worlitschek@hslu.ch)

## Weitere Infos & Links

### **Competence Center for Thermal Energy Storage (CC TES)**

- [www.hslu.ch/cctes](http://www.hslu.ch/cctes)

### **About the Online-Event**

- [To the Event-Website](#)
- [Programme overview](#)

### **Presentations**

- [Lead Presentation & Networking Links](#)
- [Presentation Luca Baldini & Paul Gantenbein](#)
- [Presentation Maurizio C. Barbato](#)
- [Presentation Ludger Fischer](#)
- [Presentation Simon Furbo](#)
- [Presentation Gianfranco Guidati](#)
- [Presentation Sophia Haussener](#)
- [Presentation Florian Hemmerlein](#)
- [Presentation Martin Jutzeler](#)
- [Presentation Martin K. Patel](#)
- [Presentation Anastasia Stamatiou](#)
- [Presentation Ulrike Sturm](#)
- [Presentation Morten Veis Donnerup](#)
- [Presentation Remo Waser](#)

### **More about the CC TES**



<https://digitalemedienmappe.ch/cctes/8th-sstes/>

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