

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

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.

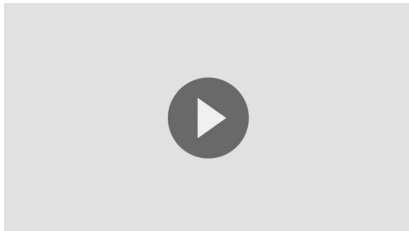
Lead Presentation & Networking Links

Jörg Worlitschek, Head Competence Center Thermal Energy Storage at HSLU

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Contact: 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

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Contact: 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

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Contact: 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

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Contact: ulrike.sturm@hslu.ch

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

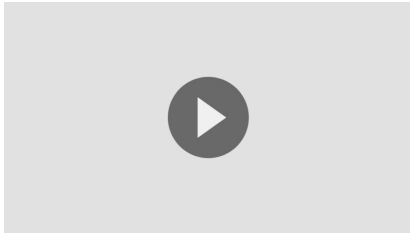
Simon Furbo, Associate Professor at the Technical University of Denmark

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Contact: sf@byg.dtu.dk

Moderation: Jörg Worlitschek, 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

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Contact: 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

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Contact: 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

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Contact: 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

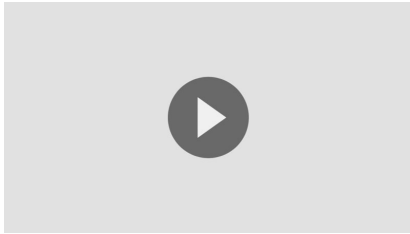
Paul Gantenbein, Senior Researcher SPF at Ostschweizer Fachhochschule

Contact: paul.gantenbein@ost.ch

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Moderation: Philipp Schütz, 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

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Contact: mvd@suntherm.dk

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

Remo Waser, Co-Founder at Cowa Thermal Solutions AG

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Contact: remo.waser@hslu.ch

00:24:12 - Energiewende Bern - Rolle Geospeicher

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

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Contact: martin.jutzeler@ewb.ch

00:37:14 - Energy Tower Schwyz

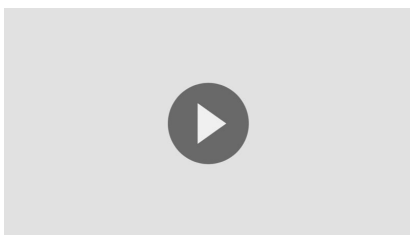
Florian Hemmerlein, Fachspezialist für Fernwärmenetze und Energieerzeugungsanlagen at ecocoach AG

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Contact: florian.hemmerlein@agroenergie.ch

Moderation: Ludger Fischer, 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

Weitere Infos & Links

Competence Center for Thermal Energy Storage (CC TES)

- www.hslu.ch/cctes

About the Online-Event

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

Presentations

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- [Presentation Simon Furbo](#)
- [Presentation Gianfranco Guidati](#)
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- [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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