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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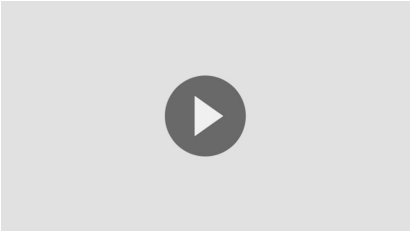
This year, the «Swiss Symposium Thermal Energy Storage» once again offered an ideal platform to exchange knowledge and experience in thermal energy storage. The goal of the SSTES is to create a lively dialog between representatives from industry and research in the energy, industry and building technology 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

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

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

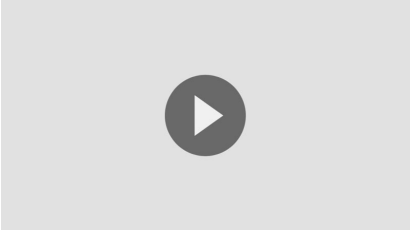
00:41:00 – Social and spatial planning aspects of transformation processes
Ulrike Sturm, Professor – Head of the Institute of Sociocultural Development at HSLU
Download presentation
Contact: ulrike.sturm@hslu.ch

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

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
Download presentation
Contact: sophia.haussener@epfl.ch

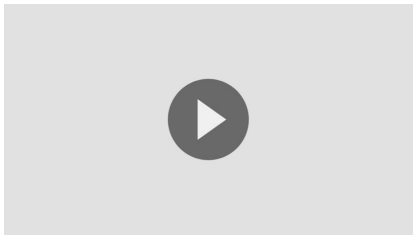
00:12:45 – Compressed Air Energy Storage in Switzerland: Current Status and Next Steps
Maurizio C. Barbato, Professor – Head of Thermo-Fluid Dynamics Laboratory at SUPSI
Download presentation
Contact: maurizio.barbato@supsi.ch

00:22:45 – Low temperature heat storage: Increasing power and capacity
Anastasia Stamatiou, Head of Research Group Latent Energy Storage at HSLU
Download presentation
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
Download presentation

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
Download presentation
Contact: mvd@suntherm.dk

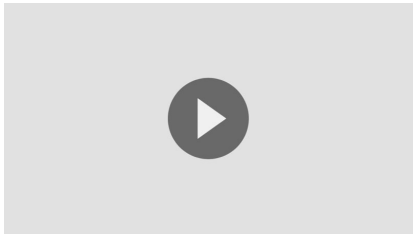
00:13:40 – Compact thermal storage for increased PV self-consumption
Remo Waser, Co-Founder at Cowa Thermal Solutions AG
Download presentation
Contact: remo.waser@hslu.ch

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

00:37:14 – Energy Tower Schwyz
Florian Hemmerlein, Fachspezialist für Fernwärmenetze und Energieerzeugungsanlagen at ecocoach AG
Download presentation
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

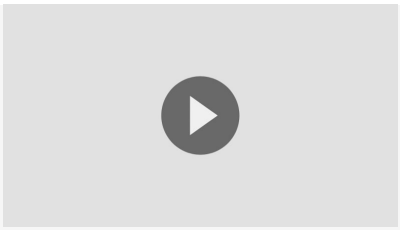
About the Online-Event

- To the Event-Website
- Programme overview

Presentations

- 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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