

10th Swiss Symposium Thermal Energy Storage

Friday, 20th of January 2023

Register here
hslu.ch/sstes



HOW FAR HAVE WE COME? WHAT IS STILL TO BE DONE?

10th Swiss Symposium Thermal Energy Storage

The last months have clearly shown our dependency on energy and on heat in particular. The decarbonization of our energy system affords us the great opportunity of an independent and resilient energy system with storages acting as a key component.

Come and join us (live or online) at our 10th Swiss Symposium Thermal Energy Storage!

The Swiss Symposium Thermal Energy Storage celebrates its 10th anniversary. We will take this opportunity to reflect on the past decade, examine what we achieved thus far, and make common decisions about where our focus should lie in the next decisive years to come.

The celebration format of our symposium will have a strongly interactive and networking character including presentations, a workshop and an exhibition. Key industrial and academic players within the field of thermal energy storage will come together. It will be a great opportunity for identifying key topics and kindling new collaborations.

Organiser:

Prof. Dr. Jörg Worlitschek

Co-Head CC Thermal Energy Storage
joerg.worlitschek@hslu.ch

Dr. Anastasia Stamatiou

Co-Head Research Group Latent TES
anastasia.stamatiou@hslu.ch

Prof. Dr. Ludger Fischer

Co-Head CC Thermal Energy Storage
ludger.fischer@hslu.ch

Program

09:00 Registration

09:20 Welcome

09:30 Sensible Thermal Energy Storage

Session Chair: Willy Villasmil

Massimo Fiorentini, Aarhus University, DK: '*Possibilities of High Temperature Borehole Storage*'

Michel Haller, FH OST, CH: '*Challenges of Long Term Seasonal Storages*'

Michel Meyer, SIG, CH: '*Possibilities of Aquifers as Thermal Energy Storage in the Geneva Region*'

Alexander Lüchinger, Ramboll AG, CH: '*Storages for Thermal Grids*'

10:30 Exhibition & Coffee Break

11:00 Latent and Thermochemical Thermal Energy Storage

Session Chair: Anastasia Stamatou

Dominic Groulx, Dalhousie University, CA: '*Advances in Understanding Phase Change for TES*'

Alexis Sevault, SINTEF, NO: '*Latent Heat Storage Demonstration for Office Buildings*'

Andrew Bissel, Sunamp AG, UK: '*The Sunamp Story to Compact Thermal Energy Storage*'

Henk Huinink, Uni Eindhoven, NL: '*The Path to Thermochemical Energy Storage*'

12:00 Exhibition & Lunch

14:00 Thermal Storages in the Energy System

Session Chair: Philipp Schütz

Paolo Gabrielli, ETH, CH: '*Future Energy System – The Relevance of Storage*'

Urs Rhyner, Energie Ausserschwyz AG, CH: '*Thermal Storages from an Energy Provider Perspective*'

Leo Sasso-Clopath, Geoimpact AG, CH: '*Chances of Digitalization in the Energy System Transformation Process*'

Marc Linder, DLR Stuttgart, DE: '*Thermal Storages in Sector Coupling*'

15:00 Exhibition & Coffee Break

15:30 Workshop 'Pathways to Seasonal Thermal Energy Storage'

Workshop Lead: Jörg Worlitschek

The Science Perspective

Luca Baldini, ZHAW, CH

Fleury De Oliveira Filho, Uni Geneva, CH

Gianfranco Guidati, ETH, CH

Ludger Fischer, HSLU, CH

The Industry Perspective

Andrea Grüniger, eicher+pauli, CH

Jörg Hoffmann, ewl, CH

Martin Jutzeler, ewb, CH

Matthias Mast, Amstein & Waltert, CH

Nadège Vetterli, Anex Ingenieure AG, CH

The Sociopolitical Perspective

Pascal Leumann, Wärme Zürich, CH

Gianni Operto, AEE Suisse, CH

Isabelle Stadelmann, Uni Berne, CH

Ulrike Sturm, HSLU, CH

The New Generation Perspective

Richard Lüchinger, HSLU, CH

Hector Ramirez, Uni Basel, CH

Arthur Rinaldi, Uni Geneva, CH

Rebeka Sträter, Uni Bern, CH

17:00 Networking Aperó in the Exhibition with Voluntary Lab Tours

18:30 End of the Symposium

Information

Place of event: Lucerne School of Engineering and Architecture
Technikumstrasse 21, 6048 Horw
Dr. Josef Mäder-Saal (D415), Trakt IV
or
Online (Zoom)

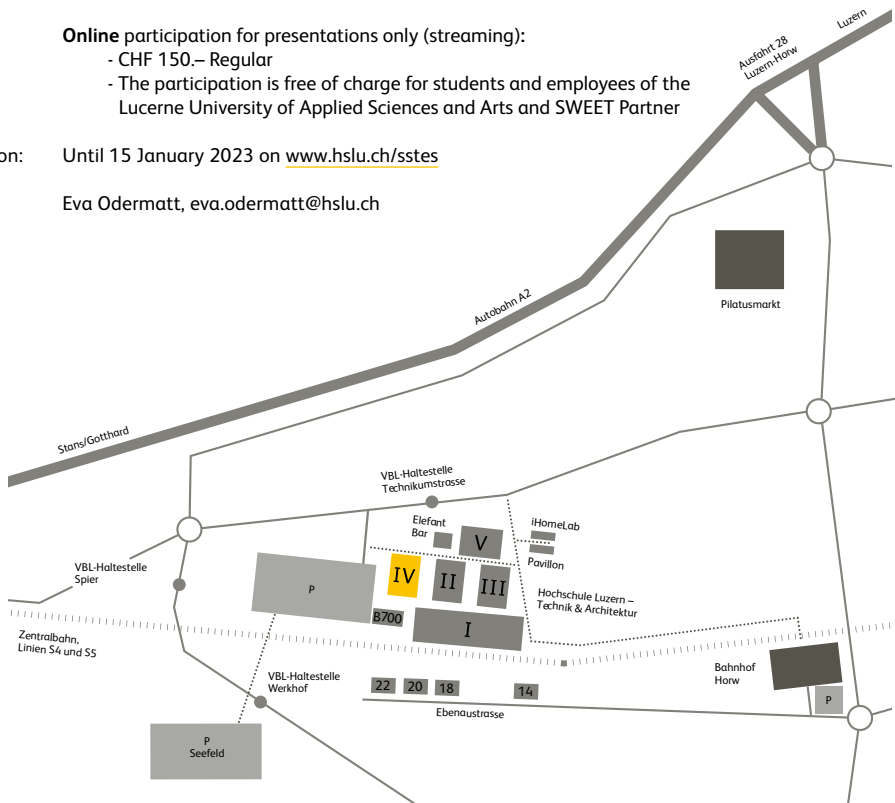
Time: 09:00 – 17:00 Swiss Symposium Thermal Energy Storage
17:00 – 18:30 Networking Apéro in the exhibition with voluntary lab tours

Cost: **On site** incl. coffee breaks, lunch and apéro:
- CHF 360.– Regular
- CHF 150.- SWEET Partner and external students
- CHF 1'100.– Exhibitors (incl. 2 participants)
- The participation is free of charge for students and employees of the Lucerne University of Applied Sciences and Arts

Online participation for presentations only (streaming):
- CHF 150.– Regular
- The participation is free of charge for students and employees of the Lucerne University of Applied Sciences and Arts and SWEET Partner

Registration: Until 15 January 2023 on www.hslu.ch/sstes

Contact: Eva Odermatt, eva.odermatt@hslu.ch



THERMAL ENERGY STORAGE