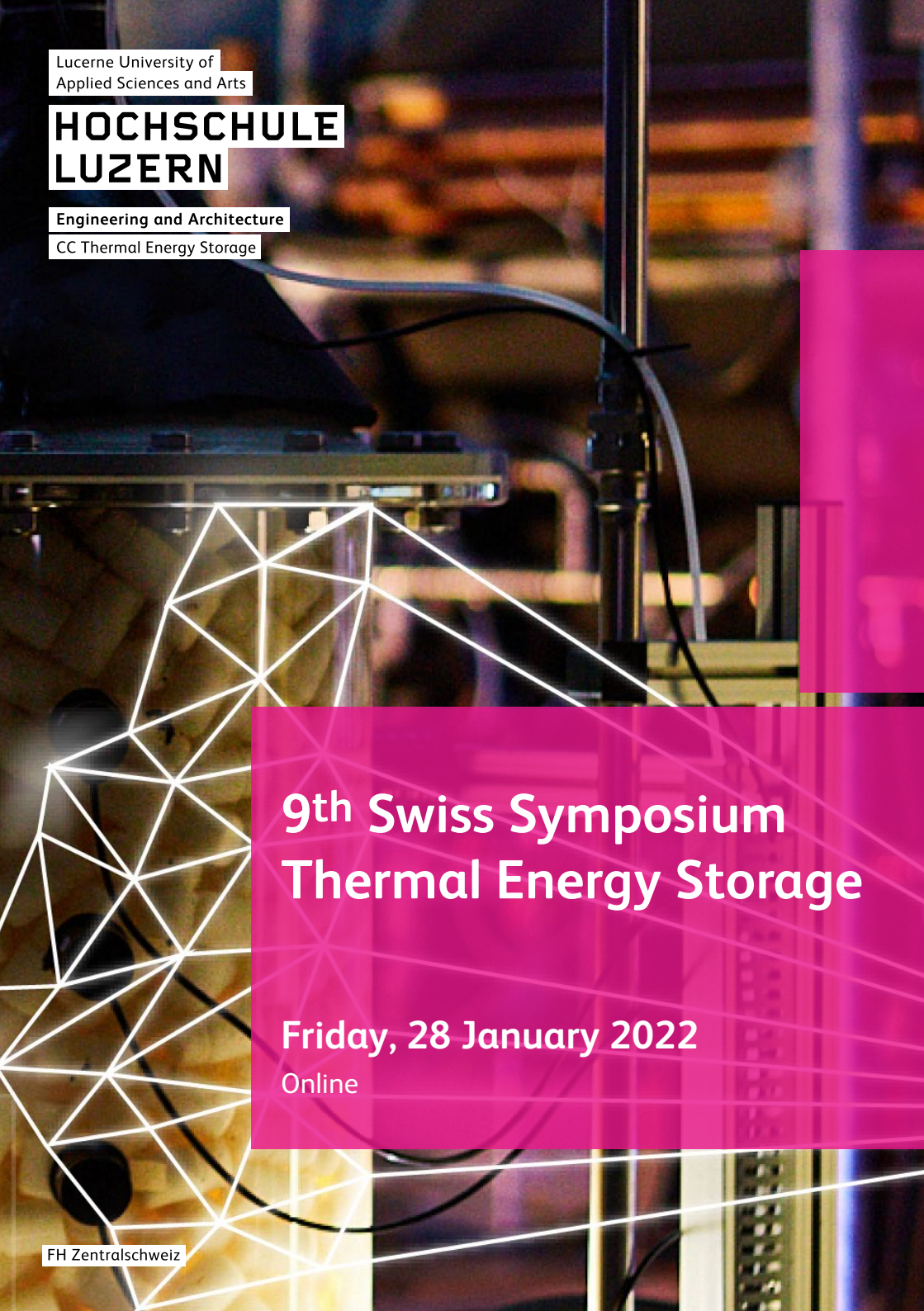

Lucerne University of
Applied Sciences and Arts

HOCHSCHULE
LUZERN

Engineering and Architecture

CC Thermal Energy Storage

9th Swiss Symposium Thermal Energy Storage

Friday, 28 January 2022

Online

FH Zentralschweiz

9th Swiss Symposium Thermal Energy Storage

Ensuring the necessary next steps towards a CO2-free heating and cooling supply. Together with representatives from industry and research in the energy, industry and building technology sectors.

The climate crisis has arrived in society‘s consciousness. We all feel the strong momentum linking a CO2-free energy supply to our topics.
Many now recognize the huge role of a resilient year-round heating and cooling in the overall energy context and the significant impact it will have on the future. So here we go. Let‘s ring in this new hot phase together!

The 9th Swiss Symposium Thermal Energy Storage will bring us together on January 28th, 2022.
The symposium will exchange views on new international developments with leading experts from Germany, Austria, Spain, and Switzerland. Together we will look at concrete implementations helping us move forward and discuss the necessary next steps.

Due to the current situation regarding the corona pandemic, the event will be held online.

THERMAL ENERGY STORAGE

Program

09:00 Get in

09:20 Welcome

Introduction and welcome to the 9th Swiss Symposium Thermal Energy Storage
Jörg Worlitschek, Lucerne University of Applied Sciences & Arts, Switzerland

09:30 Keynote

Thermal storage enabling efficiency and flexibility in the energy system
Annelies Vandersickel, ProcessNet, Germany

10:00 Coffee Break

10:30 Dissemination

Social acceptance of TES
Luisa F. Cabeza, Universitat de Lleida, Spain

11:00 Materials

Advances in ice slurry supercooling
Dani Carbonell, SPF-OST Eastern Switzerland University of Applied Sciences, Switzerland

Phase Change Dispersions (PCD) for temperature stabilisation applications
Poppy O'Neill, Lucerne University of Applied Sciences & Arts, Switzerland

12:00 Lunch Break

13:00 Applications

Compact thermal energy storage – European developments in general and CREATE in particular
Wim Van Helden, AEE INTEC, Austria

Introducing: Hydrobus, the all-in-one management system for thermal and electrical energy storage
Remo Ritzmann, RINO Electronics AG, Switzerland

Borehole Thermal Energy Storage – developing of high temperature BTES
Kirsti Midttømme, NORCE Norwegian Research Center, Norway

14:30 Coffee Break

15:00 Implications

The SWEET funding program – current state and future topics
Andreas Haselbacher, Swiss Federal Office of Energy SFOE, Switzerland

Using building data and machine learning to find retrofitting customers
Thilo Weber, geoimpact AG, Switzerland

Why should I share my precious energy? Is thermal energy for the grid or for the building?
Gino Agbomemewa, CLEMAP AG, Switzerland

16:30 Networking

Information

Place of event:	Online (Zoom)
Time:	09:00 – 16:30 Swiss Symposium Thermal Energy Storage 16:30 – 18:00 Networking Apéro at the Thermal Laboratory
Participation fee:	**Online:** - 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 26 January 2021 on www.hslu.ch/sstes
Event Leader:	Prof Dr Jörg Worlitschek Institute of Mechanical Engineering and Energy Technology IME Co-Head of Competence Center for Thermal Energy Storage joerg.worlitschek@hslu.ch
Organzier:	Dr. Matthias Berger Institute of Mechanical Engineering and Energy Technology IME Competence Center for Thermal Energy Storage Co-Head of the Research Group matthias.berger@hslu.ch Dr. Anastasia Stamatiou Institute of Mechanical Engineering and Energy Technology IME Competence Center for Thermal Energy Storage Co-Head of the Research Group anastasia.stamatiou@hslu.ch Lucerne School of Engineering and Architecture Technikumstrasse 21 CH-6048 Horw www.hslu.ch/tes
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