



## National Research Day – Exchange with international Experts from IEA Solar Heating and Cooling (SHC) Programme

### «The Future Role of Solar Heat and Thermal Storage»

**Date:** June 1<sup>st</sup> 2022, 09:30 – 17:00 h

**Venue:** Eastern Switzerland University of Applied Sciences (OST), Rapperswil, Switzerland

09:30 – 10:00 h: Registration and Coffee

10:00 – 12:00 h: Part 1

12:00 – 13:00 h: Lunch

13:00 – 15:30 h: Part 2

16:00 – 17:00 h: Technical Visits (Labs, Testing Facilities)

17:00 – 18:00 h: Get-together (Apéro)

#### Part 1 (morning session)

Nr.	Time	Title	Speaker	
	10:00	Welcome	Andreas Eckmanns / SFOE, Andreas Häberle / OST	10'
<b>1</b>		<b>Swiss Energy Strategy</b>		
	10:10	The Swiss Energy Perspectives 2050+ Pathways to Net Zero Emissions in 2050	Giulia Lechthaler-Felber / SFOE	20'
		Q+A		5'
	10:35	Opportunities through solar heat and thermal energy storage for the Swiss energy system of 2050 (study <i>SolTherm2050</i> )	Gianfranco Guidati / ETH	20'
		Q+A		5'
<b>2</b>		<b>Compact Thermal Energy Storage</b>		
	11:00	SHC Task 67 Compact Thermal Energy Storage Materials Within Components Within Systems	Wim van Helden / AEE INTEC	15'
	11:15	Hybrid PCM-Storages for SFH and MFH (project <i>HyTES</i> )	William Delgado / HSLU	15'
	11:30	Concepts for cost-effective Ice Storages ( <i>SlurryStore</i> )	Dani Carbonell / OST (SPF)	15'
		Q+A and Discussion		15'
	<b>12:00</b>	<b>Lunch</b>	<b>(Standing lunch)</b>	<b>60'</b>



## Part 2 (afternoon session)

Nr.	Time	Title	Speaker	
<b>3</b>		<b>Solar Neighborhood</b>		
	13:00	SHC Task 63 Solar Neighborhood Planning	Maria Wall / Lund University	15'
	13:15	Swiss Contribution to Task 63: Improving planning for solar energy access in urban areas ( <i>G2Solaire, VALES, HELIOS</i> )	Gilles Desthieux / HES-SO	15'
	13:30	Leveraging solar potential and waste heat utilization in buildings on a neighborhood scale with a high temperature borehole thermal energy storage (BTES) (project <i>LeSoPot</i> )	Massimo Fiorentini / EMPA	15'
		Q+A and Discussion		15'
<b>4</b>		<b>Thermal Networks</b>		
	14:00	SHC Task 68 Efficient Solar District Heating Systems (incl. outcomes from Task 55)	Viktor Unterberger / BEST	15'
	14:15	Solar Heat supported Thermal Networks ( <i>SolCAD</i> )	Laure Deschaintre / Planair SA	15'
	14:30	Thermal Storages for Swiss District Heating Systems ( <i>Big-Ice, BigStoreDH, Ice-Grid</i> )	Florian Ruesch / OST (SPF)	15'
		Q+A and Discussion		15'
<b>5</b>		<b>Panel Discussion</b>		
	15:00	The Role of Solar Heat and Thermal Storage in the Future Energy Supply by 2050	Gianfranco Guidati (ETH), Laure Deschaintre (Planair), Viktor Unterberger (T68), Richard Hall (SHC Vice-Chair). Moderator: Tomas Olejniczak (SHC Chair)	30'
	<b>15:30</b>	<b>Coffee Break</b>		<b>30'</b>
<b>6</b>		<b>Technical Visits</b>		
	16:00	Labs, Testing Facilities	(individual visits)	60'
	<b>17:00</b>	<b>End of the National Research Day</b>		
	17:00	Apéro (Get-together)		60'

### Conference Fee

The conference is sponsored by SFOE. There is no conference fee.

### Meeting Registration

To attend the National Research Day please register by e-mail to Linda Thomann, SFOE (please give your name, surname, institution): [linda.thomann@bfe.admin.ch](mailto:linda.thomann@bfe.admin.ch) until 25<sup>th</sup> May 2022.

**Note:** IEA SHC ExCo meeting participants do not need to register separately for the National Research Day.