



Short-term Training for technical staff and scientists

Thermocline thermal energy storage modelling and testing

Location: *Freiburg*, Germany – Fraunhofer ISE

Date: *Wednesday*, 15 November 2023 (in person)

Target group: The course is designed for engineers, researchers and representatives from European industry and companies who want to be trained on real hardware.

Objective: Sharing experience with experimental evaluation and modelling of thermocline storage concepts. It will include theoretical lectures and lab tours.

Trainers: Scientists and Specialists of Fraunhofer ISE

The training will include visits, procedures, standards and best practices, theoretical and experimental experience and cover the following topics:

- **Thermocline storage testing with molten salt as heat transfer fluid**
- **Thermocline storage modelling**

Application: The **registration deadline is 09 October 2023**. Eligible candidates will be informed until 13 October 2023.

Fees: No course fee is applicable. Accommodation and travel costs shall be covered by the participant. Lunch is offered through SFERA III.

Contact: Thomas.fluri@ise.fraunhofer.de

Participation: To apply, please fill out the application form found on SFERA III website [here](#) and send it to: Thomas.fluri@ise.fraunhofer.de

Agenda

9:00 – 9:30	Welcome coffee
9:30 – 11:00	Introduction of the organisations and participants; Presentation of past and present projects and activities
11:15 – 12:00	Lab tour to the high temperature TES Lab
12:00 – 13:00	Lunch break
13.00 – 13:50	Experimental Results - Detailed discussion of selected experimental results
14:00 – 14:50	Storage testing know-how - Exchange on lessons learned during experimental campaigns, best practice examples regarding material selection and layout of components
15:00 – 15:50	Simulation of TES (bed, hydraulic, thermal, distribution etc...)
16:00 – 16:50	Filler materials - compatibility testing, selection of materials
16:50 – 17:00	Wrap up

MEETING PLACE & ACCOMMODATION

Training place	Fraunhofer Institute for Solar Energy Systems
Address Training Location:	Heidenhofstraße 2, 79110 Freiburg im Breisgau
How to get to the Training place from the airport	Airport Shuttle from EuroAirport Basel to Freiburg
Restaurant place	On site
Accommodation	Hotel close to Fraunhofer ISE at own cost
Contacts for the Training	Thomas Fluri thomas.fluri@ise.fraunhofer.de
Participation confirmation for the Training	SFERA III website : https://sfera3.sollab.eu/events/list/