



CST4ALL

Support to the Activities of the Concentrated
Solar Thermal Technology Area of the SET Plan



Online Workshop

on the Cross-Cutting Materials Challenges of Renewable Energy Technologies

Date and time November 9, 2023 – 9:00 CET

Venue Zoom

Schedule

9:00 Welcome Address

Piero de Bonis – *European Commission*

Introductory Comments by Organizers

Peter Heller – *DLR, German Aerospace Center*

9:10 Sezer Ozerinc – *Middle East Technical University, Türkiye*

Yelda Eren Topal – *ODTU-GUNAM Center for Solar Energy Research and Applications, Türkiye*

PART I

9:20 Materials Challenges in CST and Other Fields – An Overview

Moderator: Alperen Günay – *Bilkent University, Türkiye*

9:20 Concentrated
Solar Thermal

Florian Sutter – *DLR, German Aerospace Center*

9:35 Photovoltaics

Eugenia Zugasti Rosende – *CENER, National Renewable Energy Centre of Spain*

9:50 Wind

Alexander Vandenberghe – *Wind Europe, Belgium*

10:05 Geothermal

Namrata Kale – *TWI Ltd., UK*

10:20 Biomass

Catalin Dragostin – *Energy-Serv, Romania*

10:35 5-min break



Funded by
the European Union

This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement 101075408.



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PART II

Round-table discussion – Cross-cutting challenges, existing frameworks for collaborations, and synergistic activities

- 10:40** • High-temperature materials, coatings, functional materials, use of sustainable materials, materials for energy storage

Moderator: Sezer Özerinç – *Middle East Technical University, Türkiye*

Technology

Panelists

Concentrated Solar Thermal	Florian Sutter <i>DLR, German Aerospace Center</i> Arantxa Fernandez Garcia – <i>CIEMAT, Centre for Energy, Environmental and Technological Research</i>
Photovoltaics	Raşit Turan, <i>ODTU-GUNAM Center for Solar Energy Research and Applications, Türkiye</i>
Wind	Demirkan Çöker – <i>RÜZGEM-METUWIND, Center for Wind Energy Research, Türkiye</i>
Geothermal	Namrata Kale – <i>TWI Ltd., UK</i>
Biomass	Catalin Dragostin – <i>Energy-Serv, Romania</i>

12:40 **Wrap-up and Conclusions**

Sezer Özerinç – *Middle East Technical University, Türkiye*

13:00 **End of the workshop**

CST4ALL team reserves the right to make changes to the workshop program.



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