



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*

**9:10 Introductory Comments by Organizers**

Derek Baker & 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

Raşit Turan, *ODTU-GUNAM, Center for Solar Energy  
Research and Applications, Türkiye [Tentative]*

**9:50** Wind

Alexander Vandenberghe – *Wind Europe, Belgium*

**10:05** Geothermal

Ben Robinson – *TWI Ltd., UK*

**10:20** Biomass

Speaker TBA – *EUREC, Belgium*

**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.



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

PART II	
<b>Round-table discussion – Cross-cutting challenges, existing frameworks for collaborations, and synergistic activities</b>	
<b>10:40</b>	<ul style="list-style-type: none"><li>High-temperature materials, coatings, functional materials, use of sustainable materials, materials for energy storage</li></ul> <p>Moderator: Sezer Özerinç – <i>Middle East Technical University, Türkiye</i></p>
Technology	Panelist
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	TBA
Geothermal	Ben Robinson – <i>TWI Ltd, UK</i>
Biomass	TBA
<b>12:40</b>	<b>Wrap-up and Conclusions</b> ODTU-GUNAM, Center for Solar Energy Research and Applications, Turkey
<b>13:00</b>	<b>End of the workshop</b>

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



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.