

Posters

Online Poster Session I / Monday, March 8 / 15:00 – 16:00 h

- 1 ~~Lamya Abdellaoui~~
now on Tuesday ~~Thermoelectric Materials: a methodology for defects characterization~~
- 2 Ruben Bueno Villoro Effect of grain boundaries on electrical conductivity in Ti(Co,Fe)Sb half Heusler thermoelectrics
- 3 Julia Camut Overcoming asymmetric contact resistances in Al-contacted Mg₂X thermoelectric legs
- 4 ~~Fafa Chiker~~
now on Tuesday ~~Thermoelectric properties of ternary chalcopyrite absorbers AgInS₂ and AgInSe₂ for solar cell energy conversion~~
- 5 Aditya Savitha Dutt Micro-Peltier Coolers towards Applications
- 6 Jafar Ghazanfarian A Variable-angle Piezo-electric Harvester for Offshore Applications
- 7 Leonie Gomell Understanding the Microstructure-Property-Relationship in thermoelectric materials – Can we optimize the performance by 3D printing techniques?
- 8 Ran He Unveiling the phonon scattering mechanisms in half-Heusler thermoelectric compounds
- 9 Kazuki Imasato Microstructure and Band Engineering for the high performance of n-type Mg₃Sb₂-Mg₃Bi₂ alloys near room temperature
- 10 Sepideh Izadi Interface-dominated topological transport in nanograin bulk Bi₂Te₃
- 11 Rishikesh Kumar Numerical Simulation and Fabrication of Unicouple Thermoelectric Generator

Posters

12 Andreas Kunzmann **The role of electrons during the martensitic transformation in shape memory alloys**

13 *Cancelled at short notice*

Online Poster Session II / Tuesday, March 9 / 12:00 – 13:00 h

14 *Cancelled at short notice*

15 Léo Millerand **Optimizing the thermoelectric properties of MgAgSb by adjustment of the Mg content**

16 Mohammad Mostafa Mohammadi **Harnessing energy from water waves by ore-shaped piezoelectric energy harvesters, and experimental study based on response surface methodology**

17 Harshita Naithani **Apparatus for Measurement of Thermoelectric Properties of a Single Leg under Large Temperature Gradients**

18 Prasanna Ponnusamy **On the Peltier-Thomson balance in thermoelectric performance estimation**

19 Heiko Reith **In-Plane zT-Characterization of Electrodeposited Materials and its Application in Micro Thermoelectric Devices**

20 Lauritz Schnatmann **Transport properties of $\text{Co}_{1-x}\text{Fe}_x\text{Si}$ from 0% to 20% Fe**

21 Caroline Schwinge **Seebeck Mapping of Doped Si and SiGe Thin Films**

Posters

- 22 Sergey Sobolev Heat conduction across 1D nano films: effective thermal conductivity and extrapolation length
- 23 Eugenio Sebastian Suena Galindez Electrochemically Exfoliated Graphene Oxide for Thermoelectric Applications
- 24 Weidong Tang Enhanced stability and thermoelectric performance for thermally evaporated CsSnI_3 thin films
- 25 Siyuan Zhang Dislocation networks impede phonon transport in PbTe thermoelectrics
- 26 Tianhui Zhu Thermoelectric Transport Measurement of Supported Holey Silicon Thin Films across a Broad Temperature Range
- 4 Fafa Chiker
moved from Monday Thermoelectric properties of ternary chalcopyrite absorbers AgInS_2 and AgInSe_2 for solar cell energy conversion
- 1 Lamya Abdellaoui
moved from Monday Thermoelectric Materials: a methodology for defects characterization