



EPSRC Thermoelectric Network UK Meeting

Final Programme

23 November 2022

Virtual Meeting via ZOOM, hosted by The University of Manchester, UK

Time	Name	Title
9.15	Welcome	
9.20	Takao Mori, NIMS Japan	Invited- Development of high performance thermoelectric materials and TEGs
9.50	Kanishka Biswas, JNCASR, Bangalore, India	Invited- Glass-like Thermal Conductivity in a Single Crystal of Layered Metal Halides
10:20	Shriparna Mukherjee, University of Reading	Aikinite: bond heterogeneity, lone pairs, and ultralow thermal conductivity
10.40	Yu Liu, University of Manchester	The Thermoelectric Properties of SnS Thin Films
11.00	Break	
11.20	Mike Reece, QMUL, UK	Invited- High Entropy Thermoelectrics – A New Compositional Approach to Enhance Performance
11.50	Chongyang Zeng, QMUL, UK	Optimization of Thermoelectric Properties of Carbon Nanotube Veil by Defect Engineering
12:10	Yibing Zhu University of Manchester, UK	Precursor-led Grain Boundary Engineering for Superior Thermoelectric Performance in Niobium Strontium Titanate
12.30	Discussion	
12.45	Lunch break	
14.00	Richard Tuley, ETL UK	Invited- Thermoelectric devices: the need for innovation
14.30	Jose Serrano University of Valencia, Spain/QMUL	Development of organic thermoelectric generators
14.50	Li, Zhen University of Warwick, UK	Efficient and reliable thermoelectric transport simulations with <i>ab initio</i> scattering rates using the <i>ElecTra</i> code
15.10	Matthew Philips, Cardiff University, UK	Investigating novel thermoelectric systems for energy recovery in steel making processes - A computational approach.
15:40	Discussion	
16:00	Close of Meeting	