EPSRC Thermoelectric Network UK Meeting

Final Programme

17 November 2021

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

Time	Name	Title
9.15	Welcome	
9.20	**Ichiro Terasaki Nagoya University**	**Invited- New thermoelectric semimetal Ta_2PdSe_6**
9.55	Rob Quinn Heriot Watt University	Improved performance in Cu-rich Half-Heusler thermoelectrics guided by empirical modelling
10:15	Wenjie Xie Darmstadt University	Unexpected interstitial in Half-Heusler compounds
10.35	Ali Ismael Lancaster University	Introduction to molecular-scale thermoelectricity
10.55	Break	
11.10	**David Voneshen STFC UKRI**	**Invited- A neutron scattering view on the Phonon-Liquid Electron-Crystal**
11.45	Neophytos Neophytou University of Warwick	Novel and computationally efficient thermoelectric transport calculations with detailed scattering physics
12.05	Alexander M Ganose Imperial College	Reassessing the link between the temperature dependence of mobility and carrier scattering
12.25	Stephen Hepplestone Exeter University	Effect of patterned interfaces on thermal conductivity; a theoretical investigation
12.45	Discussion	
12.50	Lunch break	
14.00	James Male Northwestern University	Dislocation and point defect influences on mechanical Properties in Pb chalcogenides
14.20	Muath Mohammed F ALMalki Northwestern University	Creep deformation of thermoelectric materials, a perspective
14.40	Shriparna Mukherjee Reading University	Exploring the origin of ultra-low thermal conductivity in tetrahedrites
15.00	Discussion	
15.10	Break	
15.30	Kees De Groot Southampton University	Thin film chalcogenide thermo-electric generators by Chemical Vapour Deposition
15.50	Sahil Tippireddy Reading University	Improvement of thermoelectric performance of $CuFeS_2$ chalcopyrite via Ge substitution
16.10	**Jonathan Alaria Liverpool University**	**Invited- Total phonon engineering in a modular multiple anion inorganic bulk superlattice**
16.45	Discussion	
17.00	Close of Meeting	

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