

UK Thermoelectric Network Meeting at King's College London

1st May 2019 – DAY 1: Training event – King's Strand building (S3.40)

14:00 – 14:40	<u>Nicola Bonini</u> (KCL) - <i>Background on thermoelectric coefficients</i>
14:40 – 15:00	Coffee break
15:00 – 16:00	<u>Francesco Macheda and Cono Di Paola</u> (KCL) - <i>Electrons and phonons from density functional theory</i>
16:00 – 17:00	<u>Samuel Poncé</u> (University of Oxford) - <i>Boltzmann transport with EPW</i>

2nd May 2019 – DAY 2: Workshop – Bush House (S) 1.01 Lecture Theatre

9:30 – 10:00	Registration and Tea/Coffee
10:00 – 10:10	Welcome and Introduction
10:10 – 10:50	<u>Robert Freer</u> (University of Manchester) - <i>Exploiting Interfaces to Enhance the Performance of Oxide Thermoelectrics</i>
10:50 – 11:20	<u>Mark Huijben</u> (University of Twente, the Netherlands) – <i>Enhanced thermoelectric energy conversion by advanced thin film technology</i>
11:20 – 11:50	<u>Paz Vaqueiro</u> (University of Reading) - <i>Copper-containing mineral sulfides as thermoelectric materials</i>
11:50 – 12:20	<u>Ramzy Daou</u> (CRISMAT, Caen, France) - <i>Thermoelectric anisotropy in single crystals</i>
12:20 – 13:30	Lunch and Poster session
13:30 – 14:00	<u>Bob C. Schroeder</u> (University College London) - <i>Design considerations for air-stable organic thermoelectric materials</i>
14:00 – 14:30	<u>Ivana Savic</u> (Tyndall National Institute, Ireland) - <i>Thermoelectric transport in n-type PbTe from first principles simulations</i>
14:30 – 15:00	<u>Jan M. Tomczak</u> (Technische Universität Wien, Austria) - <i>Thermoelectricity in correlated narrow-gap semiconductors</i>
15:00 – 15:30	Tea/Coffee and Poster session
15:30 – 16:00	<u>Jan-Willem Bos</u> (Heriot-Watt University, Edinburgh) - <i>Beneficial impact of excess metals on the thermoelectric properties of half-Heusler alloys</i>
16:00 – 16:20	<u>Cevriye Koz</u> (European Thermodynamics Ltd.) – <i>Thermoelectric Materials: A Device Manufacturer's Perspective</i>
16:20 – 16:40	<u>Ruizhi Zhang</u> (Queen Mary University of London) – <i>Data-driven discovery of Cu-S based thermoelectric materials</i>
16:40 – 16:45	Close
17:00 – 18:00	Drinks - King's Building K2.29 (Council Room)