POSTERS SESSION 2

ADVANCED CHARACTERIZATION	
4675	On the Microstructure-Property Relationship of Full-Heusler Fe2VAl Manipulated by Laser Surface Remelting
4994	Electrical Contacts Characterization and Computer Simulations of Tetrahedrite Based Devices
5020	Error source analysis of the 'Combined ThermoElectric Measurement' (CTEM) apparatus by means of a digital twin
5021	Characterization of Thermoelectric Generator Modules: Analytical Study on Heat Flow Determination under Transient Temperature Conditions.
5052	Figure of Merit and Thermal Conductivity – Characterization of Thermoelectric Materials by the Powerful Combination of Light/Laser Flash Analyzer (LFA) and Seebeck Analyzer (SBA)
5077	Measurement device for measuring the electrical conductivity, the Hall constant and the Seebeck coefficient up to 800 °C.
5083	Systematic study of Ag2(SeTeS)1 chalcogenides for wearable thermoelectrics
5127	Extracting thermal diffusivity of thermoelectric materials using micro four-point probe
5135	Lattice dynamics and anharmonicity of thermoelectric BiCuSeO
5149	Fe Segregation as a Tool to Enhance Electrical Conductivity of Grain Boundaries in Ti(Co,Fe)Sb Half Heusler Thermoelectrics
5203	I want a simple tool to characterise my thermoelectric device and my generator. Use impedance spectroscopy
5204	Phonon characterization by neutron inelastic scattering experiments
5221	Atomic site distributions in medium / high temperature range application thermoelectrics: an HRTEM and electron channeling study
5251	Study of the annealing effects on thin films prepared with phase vapour deposition of Bi2Te3 and Sb2Te3 compounds with full figure of merit characterization.
THEORY AND MODELLING	
5257	Thermoelectric properties and electronic structure of high-strength martensitic AISI 4340 steel
3467	Advanced simulation tools for thermoelectric materials

5026	Screening quaternary Heusler by machine learning for application in thermoelectricity
5029	Optimal alloying site for reducing lattice thermal conductivity of Half-Heusler
5032	Efficient and reliable scattering rate extraction in complex band thermoelectric materials from first principles: The case of Mg3Sb2
5038	Impact of doping on the lattice thermal conductivity of PEDOT:PSS
5070	Machine learning enabled thermoelectric generator modelling and optimisation
5161	More than 500 new low bandgap materials identified in a hybrid functional screening study – some with very promising thermoelectric properties
5168	Finding Low Lattice Thermal Conductivity Compounds in Materials Space: Machine Learning with Active Sampling
5191	Stability, Electronic Structure and Thermoelectric Properties of Functionalized 2D Molybdenum Nitrides – MXenes
5210	Dual-phase-lagging heat conduction for porous media thermoelectric materials
5226	Thermoelectric properties of Cobalt doped n-type Bi2Te3
5268	Anomalous Paramagnon Thermopower: The Role of Inter-Layer Spin-Spin Correlations
5273	When Power Factor Supersedes zT to Determine Power in a Thermocouple
THERMOELECTRIC MATERIALS AND MATERIALS PROCESSING	
4680	BISMUTH DOPING IN Cu-Sb-S SYSTEM : SCALABLE MECHANOCHEMICAL SYNTHESIS AND THERMOELECTRIC PERFORMANCE
4860	Post-treatment effects on the performance of p-type Te/PEDOT:PSS and n-type Ag2Te/PEDOT:PSS hybrid materials for thin film thermoelectrics
4999	Thermoelectric performance of natural and mechanochemically synthesized copper (I) selenide
5000	High thermoelectric efficiency in electrodeposited silver selenide films: from Pourbaix diagram to a flexible thermoelectric module
5025	Electrophoretic deposition of Bi2Te3 nanoparticles through electrolyte optimization and substrate design
5030	Nano Structured PbTe and PbSe Thermoelectric Films with Reduced Thermal Conductivity and Increased Seebeck Coefficient

5043	Low pressure chemical vapour deposition (LPCVD) of thermoelectric GeTe thin films and generators via a novel single source precurso
5045	High Thermoelectric Performance in Lithium Germanium Bismuth Tellurides by Optimizing Microstructure and Transport Properties
5046	Screen-printing of thermoelectric thin films from PbSe colloidal nanocrystals
5054	Effect of powder's particle size on the thermoelectric performance of BixSb2-xTe3 alloys fabricated via melting and mechanical alloying
5058	Additive manufacturing of thermoelectric modules based on Fe_2 VAl Heusler compound,a feasibility study
5073	Flexible n-type abundant chalcopyrite/ PEDOT:PSS /graphene hybrid film for thermoelectric device utilizing low grade heat
5075	Flexible Bi2Te3 Films on Polymer Sheets Prepared by the Powder Aerosol Deposition Method at Room Temperature
5078	Thermoelectric enhancement in composite half Heusler (hH): TiNbFeCoSb2
5091	Impact of side-chain length on the thermoelectric and mechanical properties of oligoether-substituted polythiophenes
5092	Implementing porosity in n-type polymer hybrid aerogels for promising thermoelectric efficiency
5096	Aikinite systems: ultra-low thermal conductivity for thermoelectric applications
5103	Understanding Oxidation Kinetics of RE3-xTe4 for Improved Corrosion Resistance
5109	Investigation of anharmonicity of lattice vibration using Grüneisen parameter in BiCh2-based compounds
5124	Synthesis and transport properties of the chalcogenide semiconductor Bi2Te2Se
5126	Achieving both p-type and n-type of thermoelectric performance in Zr2FeNiSb2 double half-heusler compounds
5143	Thermoelectric Performance of n-Type Magnetic Element Doped Bi2S3
5148	A novel method of obtaining bulk PbTe-CdTe nanocomposite
5155	Textile thermoelectric generators based on carbon nanototubes and PEDOT bilayers
5178	3D flexible nanostructured thermoelectric devices grown by scalable techniques
5183	A Tunable Structural Family with Ultralow Thermal Conductivity: Copper-Deficient Cu1–x□xPb1–xBi1+xS3

5185	Thermopower enhancement driven by resonant states in semiconducting Fe2VAlx
5188	Solvothermal synthesis of Cu-rich tetrahedrite - phase analysis and thermoelectric properties
5189	Synthesis and characterization of n-type TaCoSn half-Heusler compound
5190	Ultralow lattice thermal conductivity in filled β-manganese-type phases: role of lone-pair-like interaction and bonding inhomogeneity
5195	Direct current stability of composites with copper chalcogenides under application conditions
5202	Effect of Annealing on Structural and Thermoelectric Properties of Electrodeposited Ternary CuSbTe Thin Films
5205	Conductive polymer with inorganic particles as elastic thermoelectric composite materials
5207	Enhancedthermoelectric performance of chalcogenide by band structure modification using Halide dping
5216	Synthesis and characterization of flexibe thermoelectric Bi2Se3/CNT hybrid structures
5227	Enhanced thermoelectric performance of Bi0.3Sb1.7Te3.0+x milled with yttria-stabilized zirconia balls and vessels
5248	The importance of the different synthetic steps in the production of thermoelectric materials from solution-processed particles: the case of SnSe
5249	Surface ions' role in the properties of polycrystalline SnSe produced in water
5260	Application of DT-FGTM approach for the development of thermoelectric modules
5327	Morphologically Tuned, Thermoelectric Bi2Te3 Nanoparticles- Effect of polar solvents
5332	Solution synthesis, processing, and characterisation of nanostructured n- and p-type thermoelectric materials
5351	Metallic Bismuth Seed Transformation to Synthesize Multinary Pnictogen based Chalcogenide Nanocrystals with Low Thermal Conductivity