

EEST	WEST	CEST	day 1 (21 July)			
10:15	08:15	09:15	Opening remarks (room A)			
			Room A		Room B	
			Chalcogenides I (Chair: L. Paradis-Fortin)		Theory and modeling I (Chair: D. Narducci)	
10:30	08:30	09:30	Gainza, Javier: High-performance polycrystalline SnSe prepared by arc-melting: Pristine SnSe with negative Seebeck coefficient	EU-O.2.01	Cappai, Antonio: Addressing the role of synthesis in affecting PEDOT thermal and electrical conductivity by atomistic simulations	EU-O.9.01
		09:45	Misra, Shantanu: Thermopower anomalies induced by resonant dopant Indium in thermoelectric SnTe	EU-O.2.02	Tranås, Rasmus: Building intuition on lattice thermal conductivity in half-Heusler materials with machine learning feature selection	EU-O.9.02
		10:00	Abdellaoui, Lamya : Detailed structure and chemistry of structural defects in PbTe based alloys	EU-O.2.03	Daga, Loredana Edith: Thermoelectric properties of TiMSn (M = Ni, Pd, Pt) half-Heusler alloys using hybrid density functional theory: the role of point defects	EU-O.9.03
		10:15	Parashchuk, Taras: High-efficient n-type PbTe developed by advanced electronic structure engineering	EU-O.2.04	Li, Zhen: Deformation potentials and simulations of thermoelectric properties using first principles: The case of Mg3Sb2	EU-O.9.04
		10:30	Jakob, Matthias: Strategies for the stabilization of mixed ionic-electronic conductors as thermoelectric materials: chances and limitations	EU-O.2.05	Dangic, Dorde: Prediction of giant Seebeck coefficient and thermoelectric power factor in ferroelectric domain walls of GeTe	EU-O.9.05
		10:45	break			
			Nanomaterials I (Chair: Y. Lin)		Applications I (Chair: A. Pereira Gonçalves)	
12:00	10:00	11:00	Burton, Matthew: Printing and Other Facile Fabrication Techniques for Chalcogenide Thermoelectric Materials	EU-O.5.01	Bryan, Charlotte: Development of thermoelectric sensors based on GaN for measuring the thermal flux of High Electron Mobility Transistors	EU-O.1.01
		11:15	Chatterjee, Arindom: Thickness dependence on the thermoelectric power factor of Nb doped SrTiO3 thin films	EU-O.5.02	Abbasi, Shahzaib: Towards Efficient Waste Heat Recovery in Aircrafts using Thermoelectrics	EU-O.1.02
		11:30	Correia, Filipe: Effect of Al and Bi dopants on thermoelectric properties of ZnO-based thin films	EU-O.5.03	Catalan, Leyre: Autonomous volcanic monitoring stations: combination of thermoelectric generators and Internet of Things (IoT)	EU-O.1.03
		11:45	Desmarchelier, Paul: Tuning ballisticity/diffusivity in asymmetric nanowire	EU-O.5.04	Santos, Miguel D.: Impact of BG+H2 flames in thermoelectric power generation	EU-O.1.04
		12:00	Maia, Margarida: Morphologic effect of ZnO nanoparticles on the thermoelectric performance	EU-O.5.07	Alegria, Patricia: Design and optimization of a thermoelectric generator for the high enthalpy superficial geothermal anomalies of Timanfaya National Park	EU-O.1.05
		12:15	Magagna, Stefano: Silicon Nanowires as antennas for thermal conductivity reduction in silicon thin films	EU-O.5.06	Pacheco, Nuno: Performance Prediction of a Temperature-controlled Thermoelectric Generator Recovering the Exhaust Heat of medium Duty Vehicle during Driving Cycles	EU-O.1.06
		12:30	Gonzalez-Juarez, Maria: Electrochemical deposition and thermoelectric characterisation of a semiconducting 2-D metal-organic framework thin film	EU-O.5.05	Casi, Álvaro: Development of a computational model that simulate a thermoelectric subcooling system in a superscritical CO2 refrigeration cycle	EU-O.1.07
13:45	11:45	12:45	break			

			Heusler I (Chair: L. Abdellaoui)		Applications II/Organic materials (Chair: M. Fabrizio)		
15:30	13:30	14:30	Talla Noutack, Martin: Effect of the thermal disorder on the electronic and thermoelectric properties of Fe ₂ VAl	EU-O.3.01	Ayachi, Sahar: On the Relevance of Defects for the Selection of Contacting Electrodes: Ag for Mg ₂ (Si,Sn)-based Thermoelectric Generators	EU-O.1.08	
		14:45	Bueno Villoro, Ruben: Effect of microstructure on the thermoelectric properties of Ti(Co,Fe)Sb half Heusler	EU-O.3.02	Camut, Julia: Aluminium as an electrode for Mg ₂ (Si,Sn)-based thermoelectric generators	EU-O.1.09	
		15:00	Ciesielski, Kamil: Remarkable n-type thermoelectric performance in heavy-band half-Heusler phase ScNiSb	EU-O.3.03	Tukmakova, Anastasiia: FEM Simulation of thermal response of thermoelectric Bi ₈₈ Sb ₁₂ thin films under the terahertz irradiation	EU-O.1.10	
		15:15	Diack-Rasselio, Abou: Thermoelectric properties of self-substituted Fe ₂ VAl alloys	EU-O.3.04	Blankevoort, Nickel: Connectivity dependent thermoelectric properties of single thiophene molecule	EU-O.8.01	
		15:30	Gomell, Leonie: Segregation to crystal defects in Fe ₂ VAl Heusler compounds for improved thermoelectric performance	EU-O.3.05	Mazzio, Katherine: P-Type to N-Type Transition in Hybrid Ag _x Te/PEDOT:PSS Thermoelectric Materials via Stoichiometric Control During Solution Based Synthesis	EU-O.8.02	
		15:45	Ioannou, Ioanna: Enhanced thermoelectric performance of p-type nanostructured half-Heusler (Hf,Ti)Co(Sb,Sn) solid solutions fabricated by mechanical alloying	EU-O.3.06	Serrano Claumarchirant, José Francisco: In-situ polymerization of polythiophene in a polyurethane matrix for flexible thermoelectric devices	EU-O.8.03	
		16:00	break				
			Oxides (Chair: A. Famengo)		Novel materials I (Chair: Y. Lin)		
17:15	15:15	16:15	Azulay, Amram: Enhanced Electronic Transport by Point Defect Engineering in Ca ₂ MnO ₄ Layered Perovskite	EU-O.7.01	Fu, Chenguang: Topological materials for thermoelectrics	EU-O.6.01	
		16:30	Bresch, Sophie: Reaction sintering and sintering additives for cost-effective production of thermoelectric oxides	EU-O.7.02	Weidong Tang: Substitutional doping of hybrid organic-inorganic perovskite crystals for thermoelectrics	EU-O.6.02	
		16:45	Kaiser, Felix: Thermoelectric Properties of Molybdenum Oxides MoO _x from Spark-Plasma Synthesis	EU-O.7.03	Beaughon, Michel: Thermoelectric effects in ionic-liquid based ferrofluids	EU-O.6.03	
		17:00	Yu, Jincheng : Tuning the thermoelectric properties of calcium cobaltite by optimised composition and process	EU-O.7.04	Castillo Hernandez, Gustavo: Room and high temperature mechanical properties of Mg ₂ Si, Mg ₂ Sn and their solid solutions	EU-O.6.04	
		17:15	Lopes, Diogo: Oxide thermoelectrics prepared by laser melting: effects of processing atmosphere	EU-O.7.05	Radouane, Nassima: Thermoelectric figure of merit of zinc phosphate glass-reinforced graphite composites	EU-O.6.05	
		17:30	Ribeiro, Joana M.: Transparent TiO ₂ :Nb thin films for thermal energy harvesting	EU-O.7.06	Cingolani, Alessandro : Effect of processing parameters on structure and microstructure of Smy(FexNi _{1-x}) ₄ Sb ₁₂	EU-O.6.06	
		17:45	Spooner, Kieran B: Assessing the Limitations of Transparent Conducting Oxides as Thermoelectrics	EU-O.7.07			
19:00	17:00	18:00	end of day				

EEST	WEST	CEST	day 2 (22 July)			
			Room A		Room B	
			Nanomaterials II (Chair: A. Famengo)		Applications II (Chair: E. Guilmeau)	
10:30	08:30	09:30	Newbrook, Daniel: Thin film Chalcogenide thermo-electric materials by CVD	EU-O.5.08	Peixoto, João: Thermoelectric Generator Concept Suitable for Large-scale Industrial Waste Heat Recovery	EU-O.1.11
		09:45	Oueldna, Nouredine: Seebeck coefficient in MgAgSb thin films elaborated by Magnetron sputtering	EU-O.5.09	Dolcet, Marc: Assessing the transition from Si to SiGe nanowires as TE materials for MEMS-based microgenerators	EU-O.1.12
		10:00	Robinson, Fred: CVD of Tin and Germanium Chalcogenide Thin Films for Thermoelectric Applications	EU-O.5.10	Wolf, Mario: Scalable Fabrication of Thermoelectric Generators by Combining Spray-Coating and Laser Structuring	EU-O.1.13
		10:15	Rubio-Govea, Rodrigo: Insight into the templating effect of PEDOT:PSS on Te nanowires	EU-O.5.11	Lorenzi, Bruno : Practical development of efficient thermoelectric – photovoltaic hybrid systems	EU-O.1.14
		10:30	Shu, Rui: Ge dopant enhanced nanoprecipitation and selective phonon scattering in the n-type Mg ₃ Sb _{1.5} Bi _{0.5} nanocomposite thermoelectric material	EU-O.5.12	Kanas, Nikola: Performance of oxide thermoelectric generator based on hybrid p-n junction	EU-O.1.15
		10:45	break			
			Chalcogenides II (Chair: A. Pereira Gonçalves)		Theory and modeling II (Chair: A. Novitskii)	
12:00	10:00	11:00	Isotta, Eleonora: Understanding why disorder boosts the thermoelectric properties of kesterite Cu ₂ ZnSnS ₄	EU-O.2.06	Graziosi, Patrizio : Advanced simulations of thermoelectric coefficients using DFT bandstructures and energy dependent scattering mechanisms	EU-O.9.06
		11:15	Paradis Fortin, Laura: Time-resolved in situ neutron diffraction study of solid-liquid-gas reaction in sulfides	EU-O.2.07	Ismael, Ali: Molecular-scale thermoelectricity for beginner.s	EU-O.9.07
		11:30	Guélou, Gabin: Scaling-up the production of the promising copper sulfide thermoelectric colusite, Cu ₂₆ V ₂ Sn ₆ S ₃₂	EU-O.2.08	De Sousa Oliveira, Laura Rita: Ultra-low thermal conductivity due to geometry dependent specular scattering in nanoporous Si	EU-O.9.08
		11:45	Neves, Filipe: Processing of tetrahedrite-based thermoelectric materials using tetrahedrite-tennantite copper ores	EU-O.2.09	Ndour, Mbaye: From crystalline to amorphous materials: mechanisms for thermal conductivity reduction	EU-O.9.09
		12:00	Coelho, Rodrigo: Protective coatings for thermoelectric tetrahedrites	EU-O.2.10	Nikolaev, Sergey: The influence of deformation on topological properties of CoSi thermoelectric semimetal	EU-O.9.10
		12:15	Mukherjee, Binayak: Deciphering enhanced thermoelectric performance in disordered Cu ₂ ZnSnS ₄ through ab initio calculations	EU-O.2.11	Rahim, Warda: α -Bi ₂ Sn ₂ O ₇ : A Potential Room Temperature n-type Oxide Thermoelectric	EU-O.9.11
		12:30	Lohani, Ketan: Improved thermoelectric performance of Copper tin sulphide (Cu ₂ SnS ₃ , CTS) via structural disorder	EU-O.2.12	Dsouza, Ransell: Electron-phonon scattering and thermoelectric transport in p-type PbTe from first principles	EU-O.9.12
13:45	11:45	12:45			Ricci, Francesco: Gapped metals as thermoelectric materials: a high-throughput screening.	EU-O.9.13
			break			

15:30	13:30	14:30	<p>Poster Session (on Twitter)</p>
19:00	17:00	18:00	end of day

EEST	WEST	CEST	day 3 (23 July)			
			Room A		Room B	
			Theory and modeling III (Chair: D. Narducci)		Novel materials II (Chair: M. Fabrizio)	
10:30	08:30	09:30	Saiz, Fernan: Optimisation of the Thermoelectric Efficiency of Zirconium Trisulphide Monolayers by Uniaxial and Biaxial Straining	EU-O.9.14	Novitskii, Andrei: Electronic band structure engineering and related thermoelectric properties in rare-earth doped BiCuSeO oxyselenides	EU-O.6.07
		09:45	Ikzibane, Hafsa: Design and modelling of integrated devices dedicated to transient Harman measurement of silicon nano-meshes	EU-O.9.15	Artem, Antonov : Thermoelectric properties of CoSi and of $\text{Co}_{1-x}\text{M}_x\text{Si}$ (M=Fe, Ni) solid solutions	EU-O.6.08
		10:00	La Terra, Caterina: A computational analysis of heat transfer at the cold side of a TEG.	EU-O.9.16	Singh, Sukhwinder: Preparation and thermoelectric properties of p-type Fe ₁₁ Ti ₃ Al ₆	EU-O.6.09
		10:15	Chirita, Cristian: Optimization of a simulation for thermoelectric generators and their application in water boiler systems with combustion chamber	EU-O.9.17	Turner, Shelby R.: Phonon Anharmonicity and Low Thermal Conductivity of the Type-I Clathrate, Ba _{7.81} Ge _{40.67} Au _{5.33}	EU-O.6.10
		10:30	Ponnusamy, Prasanna: From basic transport properties to device efficiency: integrated performance prediction based on the Boltzmann transport equation	EU-O.9.18	García-Page, Ana: Thermoelectric phenomenology in living organisms. Transport properties in beetles.	EU-O.6.11
		10:45	break			
			Heusler II (Chair: L. Abdellaoui)		Measurements (Chair: L. Paradis-Fortin)	
12:00	10:00	11:00			Werner, Robin: Development of a New Low-Cost Measurement System for Electrical Conductivity, Hall Constant and Seebeck Coefficient at Temperatures up to 800 °C	EU-O.4.01
		11:15	Luo, Ting: Grain boundary engineering enhances the thermoelectric performance of n-type NbCo _x Pt _{1-x} Sn half-Heusler alloys	EU-O.3.07	Yu, Yuan: Revealing nano-chemistry at lattice defects in thermoelectric materials using atom probe tomography	EU-O.4.02
		11:30	Mena Joaquin, Miranda: Atomic and vacancy ordering in defective (V, Nb)CoSb and (V, Ta)CoSb half-Heuslers alloys.	EU-O.3.08	Arslan, Sercan: Coherent quasi-elastic neutron scattering and the phonon-liquid electron-crystal concept in AgCrSe ₂	EU-O.4.03
		11:45	Yan, Ruijuan: Realizing p-type NbCoSn half-Heusler compounds with enhanced thermoelectric performance via Sc substitution	EU-O.3.09	Beltrán-Pitarch, Braulio: Impedance spectroscopy as a tool for the detailed assessment of thermoelectric modules	EU-O.4.04
13:00	11:00	12:00	Closing remarks (room A)			