

EEST	WEST	CEST	Day 1 (July 20)	
10:00	08:00	09:00	Opening remarks (Dario Narducci)	
10:15	08:15	09:15	<p>Keynote Talk (Chair: Dario Narducci) Neophytou, N.: Developments in computational methods for complex bandstructure and nanostructured thermoelectric materials</p>	EU-KN
EU-O.1: Modeling (Chair: Dario Narducci)				
11:00	09:00	10:00	Naithani, Harshita: Investigation of the discrepancies in the effective band structure parameters obtained from transport modelling of Mg ₂ Si	EU-O.1.1
11:15	09:15	10:15	Priyadarshi, Pankaj: A Novel Monte Carlo Ray-tracing Electron Transport Method for Nanostructured Thermoelectric Materials	EU-O.1.2
11:30	09:30	10:30	Hachmioune, Sabrine: Thermoelectric performance of CuInTe ₂ from first principles using hybrid-DFT and lattice dynamics	EU-O.1.3
11:45	09:45	10:45	Lucid, Aoife K.: Nanoscale thermal transport at Bi ₂ Te ₃ interfaces	EU-O.1.4
12:00	10:00	11:00	break (15 mins)	
EU-O.2: Devices and modules I (Chair: Ketan Lohani)				
12:15	10:15	11:15	Erro, Irantzu: Experimental performance study of multistage thermoelectric heat pumps used for thermal energy storage	EU-O.2.1
12:30	10:30	11:30	Rodriguez-Iglesias, Alex: Power enhanced micro-thermoelectric generators (μ TEGs) by heat sink integration	EU-O.2.2
12:45	10:45	11:45	Ying, Pingjun: A robust thermoelectric module based on MgAgSb/Mg ₃ (Sb, Bi) ₂ with a conversion efficiency of 8.5% and a maximum cooling of 72 K	EU-O.2.3
13:00	11:00	12:00	Reis, João: Thermoelectric recovery of the waste heat produced by a wood dryer	EU-O.2.4
13:15	11:15	12:15	Sousa, Carolina: Thermoelectric generator with thermal control applied to Heavy Duty Vehicle	EU-O.2.5
13:30	11:30	12:30	Bakar, Özge: The Smart Thermoelectricity Safety System with Soil-Air Generator	EU-O.2.6
13:45	11:45	12:45	lunch break (75 mins)	
EU-O.3: Intermetallics (Chair: Chanwon Jung)				
15:00	13:00	14:00	Piscino, Cecilia: The Smy(FexNi _{1-x}) ₄ Sb _{12-6Snδ} skutterudite system: synthesis and characterization in view of thermoelectric applications	EU-O.3.1
15:15	13:15	14:15	Yahyaoglu, Mujde: Stress/pressure-stabilized cubic polymorph of Li ₃ Sb with improved thermoelectric performance	EU-O.3.2
15:30	13:30	14:30	Corley-Wiciak, Agnieszka Anna: Thermoelectric properties of high quality, epitaxial (Si)GeSn/Ge layers with various Sn content	EU-O.3.3
15:45	13:45	14:45	Thiem, Moritz: Thermoelectric properties of NbCoNi _x Sn (x=0-1)	EU-O.3.4
16:00	14:00	15:00	Yan, Ruijuan: Identifying the role of interstitial Cu in ZrNiSn Half-Heusler Thermoelectric	EU-O.3.5
16:15	14:15	15:15	break (15 mins)	
EU-O.4: Chalcogenides (Chair: Chanwon Jung)				
16:30	14:30	15:30	Léon, Adèle: Synthesis and transport properties of the tetradymite Bi ₂ -yPb _y Te ₂ Se	EU-O.4.1
16:45	14:45	15:45	Lohani, Ketan: Effects of Grain Size on the Thermoelectric Properties of Cu ₂ SnS ₃ : An Experimental and First-Principles Study	EU-O.4.2
17:00	15:00	16:00	Tippireddy, Sahil: Impact of Local Structural Distortion on the Thermal Conductivity of Ge Substituted CuFeS ₂	EU-O.4.3
17:15	15:15	16:15	Katamanin, Ivan: Investigation of thermoelectric properties of composites based on polycrystalline chalcogenide Sn _{0.9} Mn _{0.1} Te with multilayered carbon nanotubes.	EU-O.4.4
17:30	15:30	16:30	Moço, Duarte: Thermoelectric Optimization of Tetrahedrite – co-doping with Nickel and Selenium	EU-O.4.5
17:45	15:45	16:45	Karthikeyan, Vaithinathan: Defect Engineering Boosted Ultrahigh Thermoelectric Power Conversion Efficiency in Polycrystalline SnSe	EU-O.4.6
18:00	16:00	17:00	end of day	

EEST	WEST	CEST	Day 2 (July 21)	
			EU-O.5: Theory I (Chair: Dario Narducci)	
10:00	08:00	09:00	Tian, Jing: Strained and unstrained Ge ₂ Sb ₂ Te ₅ : Effects on the electronic and thermoelectric properties investigated by DFT	EU-O.5.1
10:15	08:15	09:15	Zoulikha, Benhalima: Impact of Biaxial/uniaxial strain on the electronic, and thermoelectric properties of the rhombohedral halide perovskite CsGeBr ₃ : First-principles investigation	EU-O.5.2
10:30	08:30	09:30	Kapera, Krzysztof: Structural, topological and transport DFT calculations of Mg-doped tetrahedrite thermoelectrics	EU-O.5.3
10:45	08:45	09:45	Blancas, Ernesto J.: Exploring the role of chemical composition in the lattice thermal conductivity of oxychalcogenides assisted by machine learning	EU-O.5.4
11:00	09:00	10:00	Larbi, Rekia: The first-principle study of the electronic, and thermoelectric properties of Ba ₂ MnMoO ₆	EU-O.5.5
11:15	09:15	10:15	break (15 mins)	
			EU-O.6: Devices and modules II (Chair: Monica Fabrizio)	
11:30	09:30	10:30	Alegria, Patricia: Computational study of geothermal thermoelectric generators with phase change heat exchangers	EU-O.6.1
11:45	09:45	10:45	Coelho, Rodrigo: Computer simulations of tetrahedrite-based thermoelectric generators	EU-O.6.2
12:00	10:00	11:00	Baudry, Maxime: Additive manufacturing of Silicon Germanium alloys for thermoelectric applications	EU-O.6.3
12:15	10:15	11:15	Korchagin, Egor: Contact systems for thermoelements obtained by the methods of chemical and electrochemical deposition of Ni and Co	EU-O.6.4
12:30	10:30	11:30	Deshpande, Radhika Ravindra: Thermal stability studies on Cu-contacted Mg ₂ X-based solid solutions (X=Si,Sn) in high temperature region	EU-O.6.5
12:45	10:45	11:45	break (15 mins)	
			EU-O.7: Thin films (Chair: Cristina Artini)	
13:00	11:00	12:00	Xin, Binbin: Flexible thermoelectric thin films based on layered nanoporous Ca ₃ Co ₄ O ₉	EU-O.7.1
13:15	11:15	12:15	Conca, Andres: Optimizing the thermoelectric performance of nanocrystalline Si thin films by à la carte B doping using sputtering co-deposition.	EU-O.7.2
13:30	11:30	12:30	Sousa, Viviana: Screen-printed fabrication of thermoelectric thin-films from PbSe colloidal nanocrystals	EU-O.7.3
13:45	11:45	12:45	Ozkan, Seyma: Improvement of thermoelectric properties of PEDOT:PSS based flexible thin film composites for generator applications	EU-O.7.4
14:00	12:00	13:00	lunch break (90 mins)	
15:30	13:30	14:30	EU-P: Poster Session (on Twitter)	
19:00	17:00	18:00	end of day	

EEST	WEST	CEST	Day 3 (July 22)	
			EU-O.10: Oxides and Silicides (Chair: Antonio Pereira Gonçalves)	
10:00	08:00	09:00	Brllec, Katarina: Y2Ti2O5S2 — A Quasi-Layered Oxysulphide for Thermoelectric Energy Generation	EU-O.10.1
10:15	08:15	09:15	Xiao, Xingxing: Synergistic effects of Eu and Nb dual substitution on improving the thermoelectric performance of the natural perovskite CaTiO3	EU-O.10.2
10:30	08:30	09:30	(Communication withdrawn)	
10:45	08:45	09:45	Drozhzhin, Mikhail: Study of the effect of carbon nanotubes on the thermoelectric properties of Ca3Co4O9 composites	EU-O.10.4
11:00	09:00	10:00	Trifiletti, Vanira: Split-anion approach: a novel path to increase the electrical conductivity in Bi-based perovskite-derivates with a significant Seebeck coefficient	EU-O.10.5
11:15	09:15	10:15	Zhu, Yibing: Computational and Experimental Studies on Improving the Performance of N-type Thermoelectric Strontium Titanate	EU-O.10.6
11:30	09:30	10:30	break (15 mins)	
			EU-O.8: Theory II (Chair: Dario Narducci)	
11:45	09:45	10:45	D'Souza, Ransell: Electron-phonon scattering and thermoelectric transport in n-type monolayer MoS2: Multiscale deformation potential approach	EU-O.8.1
12:00	10:00	11:00	Yusuf, Aminu: A Thermoelectric Figure of Merit-Based Performance Analysis of a Concentrated Photovoltaic-Thermoelectric System	EU-O.8.2
12:15	10:15	11:15	Nikolaev, Sergey: Transport properties of solid solutions of Co(Fe)Si with nontrivial topology of the band structure	EU-O.8.3
12:30	10:30	11:30	Kopatz, Severin: Development of transient measurement principles to characterize thermoelectric materials	EU-O.8.4
12:45	10:45	11:45	Ponnusamy, Prasanna: Grading studies for efficient Thermoelectric devices	EU-O.8.5
13:00	11:00	12:00	break (15 mins)	
			EU-O.9: Nanostructures (Chair: Antonio Pereira Gonçalves)	
13:15	11:15	12:15	Amin, Aran: Screen-printed bismuth telluride nanostructured composites for flexible thermoelectric applications	EU-O.9.1
13:30	11:30	12:30	Giulio, Federico: Enhanced power factor by dehydrogenation of heavily doped nanocrystalline silicon films	EU-O.9.2
13:45	11:45	12:45	He, Shiyang: Precision interface engineering by ALD in CuNi alloys towards high thermoelectric performance	EU-O.9.3
14:00	12:00	13:00	Closing remarks (Dario Narducci)	