

16:30-18:30

POSTER SESSION I (Monday)

Theory & Modelling

I-P1	Aminu YUSUF , S. Ballikaya <i>Enhancing remote sensor power: Integrating a phase change material-thermoelectric generator system with a heat sink and radiative cooling</i>
I-P2	
I-P3	Supree PINITSOONTORN , N. Parse, C. Pongkitivanichkul, J. Recatala-Gomez, R. Zhu, K. Yuan, A. Low, K. Hippalgaonkar <i>Utilizing Machine Learning Models to Predict Thermoelectric ZT Values Based on Three Diverse Dataset Sizes</i>
I-P7	Elena R. REMESAL , V. Posligua, J. J. Plata, A. M. Márquez <i>Enhancing Thermoelectric Efficiency in Iron-Nickel Doped Skutterudites: Ab-initio and Machine Learning Approach</i>
I-P8	Nikolaos KELAIDIS , E. Klontzas, A. Kaltzoglou <i>A theoretical study on the type-I clathrate $(NH_4)_8Sn_{46-x}$ ($x = 0$ or 2)</i>
I-P9	Xue NAN , Z. Huang, K. Hayashi, H. Konishi, Y. Miyazaki <i>First-Principles Study for High Thermoelectric Performance Iron-based Half-Heusler Compounds with Thermodynamic and Mechanical Stability</i>
I-P10	Bharti AGRAWAL , H. Sharma, B. Jayachandran, A. Alam, T. Dasgupta <i>Unravelling the Origin of High Thermoelectric Performance in $Mg_2Si_{0.3}Sn_{0.7}$</i>
I-P11	Hidetomo USUI <i>Theoretical study on layered thermoelectric materials with axis-dependent conduction polarity</i>
I-P12	Surabhi Suresh NAIR , M. Sajjad, K. Biswas, N. Singh <i>Metavalent Bonding-Driven Phonon Transport Anomalies in 2D γ-GeX ($X = S, Se, Te$) Monolayers</i>
I-P15	Parisa ROSHANINEJAD , K. Habicht, O. M. Løvvik, E. Fertitta, E. Sagvolden, A.B. Kademane, D. Kojda, T. Fennell, A. Turrini, D. L. Quintero Castro <i>Phonon lifetime studies in thermoelectric materials by combining inelastic neutron scattering and ab-initio calculations</i>
I-P16	Wataru SEKIMOTO , S. Fujii, M. Yoshiya <i>Impact of dislocation core structures on nanoscale thermal conduction in oxides by perturbed molecular dynamics</i>
I-P17	Bhawna SAHNI , Z. Li, R. Dutt, P. Graziosi, N. Neophytou <i>Efficient ab initio electronic transport computations in half-Heuslers: the example of NbFeSb</i>
I-P18	Naeimeh TAHRIRI , J. Abouie, D. Vashaee <i>Thermoelectric Properties of Metallic Spin Glasses</i>
I-P19	Pankaj PRIYADARSHI , N. Neophytou <i>Advancing the thermoelectric power factor of hybrid solid/liquid porous material systems using advanced simulations</i>
I-P20	Jan KOLODZIEJCZYK , J. A. Majewski <i>Outstanding Thermoelectric Properties ($ZT \approx 5 - 6$) of Functionalized 2D Molybdenum Nitrides (MXenes)</i>
I-P21	Ronald Edgar PIRELA LA CRUZ <i>Theory of Complete Response of Thermoelectric Modules and Materials</i>
I-P22	Espen SAGVOLDEN , O.M. Løvvik, E. Fertitta, D. Kojda, P. Roshaninejad, K. Habicht, A.B. Kademane, D.L. Quintero Castro <i>Ab-initio calculations of anharmonicity in thermoelectric materials via the stochastic temperature-dependent effective potential (sTDEP) method</i>
I-P23	Sana SALAMI , S. Pailhès, C. Adessi, V. Giordano, N. Mahonisi, Z. Mthwesi, S. Vignoli, R. Debord, R. Fulcrand, N. Blanchard, A. Every, S.R. Naidoo <i>Phonon-drag in a graphite channel buried in diamond</i>

Chemistry & Thermodynamics

I-P24 **Pu MIAO**, C. Yang, L.L. Xi, J. Yang, T.J. Zhu, C.G. Fu,

	<i>Simultaneous optimization of the electrical and thermal transport properties of LuNiSb via aliovalent doping</i>
I-P25	Arige HODROJ , I. Talbi, V. Bouquet, S. Ollivier, L. Joanny, R. Lebullenger, V. Demange, C. Prestipino, R. Bhardwaj, E. Alleno, M. Pasturel <i>Investigation of protective coatings against oxidation of skutterudites</i>
I-P26	Arige HODROJ , I. Talbi, V. Bouquet, S. Ollivier, R. Lebullenger, V. Demange, C. Prestipino, R. Bhardwaj, E. Alleno, M. Pasturel <i>Scalability of the magnesiothermic synthesis of skutterudites and their protective coatings against oxidation</i>
I-P27	Yuyang ZHANG , N. L. Okamoto, T. Ichitsubo <i>Crystal Structures and Thermoelectric Properties of Low-Temperature Phases of the $Cu_{2-\delta}Te$ Compounds</i>
I-P28	Helen CHAFFEE , C. Gerber, C. Porter, R. Orenstein, A. Novick, M. Wróblewska, S. Altshuler, K. Ciesielski, E. Toberer <i>Analysis of Entropy-Driven Phase Transition in a High-Entropy Thermoelectric System</i>

Bulk Materials

I-P29	Dong-Kil SHIN , J. S. Kim, K. H. Park, I. H. Kim <i>Skutterudite: Reproducibility of Thermoelectric Performance of P-type $RyFe_{4-x}Co_xSb_{12}$ Bulky Compacts</i>
I-P30	Joon-Chul KWON , S. H. Choi, G. E. Lee, I. H. Kim <i>Uniformity and Reproducibility of Thermoelectric Properties of N-type $Bi_2Te_{3-y}Se_y$ Bulky Compacts</i>
I-P31	Jong-Ki WON , S.-I. Jeong, S.-R. Kim, I. H. Kim <i>Solid-State Synthesis and Thermoelectric Properties of Ge-Doped Tetrahedrites $Cu_{12}Sb_{4-y}Ge_yS_{13}$</i>
I-P32	Soo-Sun LEE , M.-C. Kwon, S.H. Yi, I. H. Kim <i>Preparation and Thermoelectric Properties of Si-Doped Tetrahedrites $Cu_{12}Sb_{4-y}Si_yS_{13}$</i>
I-P33	Song SEOK , H. J. Kim, T. W. Hong, I. H. Kim <i>Improved Thermoelectric Performance of $Cu_3Sb_{1-x-y}Sn_xIn_ySe_4$ Permingeatites Double-Doped with Sn and In</i>
I-P34	Sang Jun PARK , B. K. Hong, I. H. Kim <i>Thermoelectric Properties of $Cu_3Sb_{1-x}Sn_xSe_{4-y}S_y$ Permingeatites Double-Doped with Sn and S</i>
I-P35	Yu-Chih TSENG <i>An Accelerated Method to Synthesize Doped Magnesium Silicide Stannide Thermoelectric Material with Controllable Dendritic Morphology</i>
I-P36	Jun CHENG , J. Zhang, P. Qiu, X. Shi, L. Chen <i>Thermoelectric properties of heavily Co-doped β-FeSi₂</i>
I-P37	Dulyawich PALAPORN , K. Kurosaki, S. Pinitsoontorn <i>Effect of sintering temperature on the thermoelectric properties of Ag_2Se fabricated by spark plasma sintering with high compression</i>
I-P38	Irene GARCIA , P. Ying, K. Nielsch <i>Improving the Thermoelectric Properties of α-MgAgSb through powder Atomic Layer Deposition</i>
I-P39	Dejwikom THEPRATTANAKORN , S. Pinitsoontorn <i>Cold Sintering process of Ag_2Se: Tailoring Microstructure for Superior Thermoelectric Properties</i>
I-P40	Vivek GUPTA , A. Bugalia, A. Pandey <i>Improvement in thermoelectric properties of SnTe via band engineering and phonon scattering</i>
I-P41	Ziming ZHANG , Z. Gao, T. Deng, Q. Song, L. Chen, S. Bai <i>Mechanical properties of $Mg_3(Sb,Bi)_2$-based thermoelectric compounds</i>
I-P42	Nouha DRAMÉ , M. Depriester, G. Leroy, J. C. Carru <i>Synthesis and characterization of the thermoelectric properties of $Zn_{1-x}Al_xO$ for application in the Internet of Things</i>
I-P43	Qianhui LOU , Z. Gao, Z. Li, S. Han, F. Liu, C. Fu, T. Zhu <i>Strong defect tolerance in heavy-band thermoelectrics</i>
I-P44	Sang Jun PARK , I. H. Kim <i>Zn-Hakite: Solid-State Synthesis and Thermoelectric Performance of $Zn_xCu_{12-x}Sb_4Se_{13}$</i>
I-P45	Xingyan Dong , Z. Liu, J. Sui <i>Understanding of Isoelectronic Alloying Induced Energy Gap Variation Towards Large Enhancement of Thermoelectric Power Factor</i>
I-P46	Mito NAGASE , H. Miyazaki, Y. Nishino, W. Zhou, G. Xing, K. Masuda, Y. Sakuraba <i>Influence of Iron Doping on the Anomalous Nernst Effect in Heusler-type Co_2MnGa Compounds</i>
I-P47	Shigeyuki NAKAMURA , H. Araki, Y. Akaki <i>Simple and Low-cost Synthesis of Cu_2SnS_3 for Thermoelectric Material</i>
I-P48	Seunghyeok LEE , G. M. Park, J. Y. Kim, H. Kim, S. H. Baek, T. J. Park, J. S. Kim, S. K. Kim

	Unlocking the Potential of Porous Bi ₂ Te ₃ -based Thermoelectrics using Precise Interface Engineering through Atomic Layer Deposition
I-P49	Keigo ONO , Y. Goto, C.H. Lee <i>Thermoelectric properties of 143-Zintl phase compound RbCd₄As₃</i>
I-P50	Kosuke YAMAZAKI , H. Nakatsugawa, Y. Okamoto <i>P-type thermoelectric properties of half-Heusler alloys TiNi_{1-x}Co_xSn (0 ≤ x ≤ 0.15) at high temperature (≤ 800 K)</i>
I-P51	Ajay Kumar VERMA , S.R. Dhakate, Sumeet Walia, and Bhasker Gahtori <i>Half-Heusler Thermoelectric Materials: Exceptional Properties, Challenges, and Future Scope</i>
I-P52	Akira NAGAOKA , K. Nakashima, Y. Hirai, S. Miura, K. Yoshino, K. Nishioka Thermoelectric power generation from high-quality kesterite (Cu _{1-x} Ag _x) ₂ ZnSnS ₄ single crystals
I-P53	Bo-Ping ZHANG , Z. Shan, H. Li, J. Pei <i>Significant performance enhancement in thermoelectric Cu_{1.8}S: cation/anion co-doping and multiphase coexistence effects</i>
I-P54	Inder KUMAR , G. Shankar, P. Pambannan, S. Suwas, R. C. Mallik Thermoelectric Properties of Sn substituted Defective Half Heusler Nb _{0.83} CoSb at Sb site
I-P55	Ming LIU , M. Guo, Y. Lai, H. Lyu, Y. Zhu, F. Guo, K. Yu, X. Dong, Z. Liu, W. Cai, M. Wuttig, Y. Yu, J. Sui <i>Doping Strategy in Metavalently Bonded Materials for Advancing Thermoelectric Performance</i>
I-P56	Cevriye KOZ , H. Baker, K. Simpson, R. Tuley <i>Reliable n-type Bi₂Te₃ production for large-scale applications</i>
I-P57	Madi DONOHOE , L. Menezes, B. Perez, T. Liciskai, H. Kleinke <i>Optimization and Fabrication of Low-Temperature Bismuth Telluride (Bi₂Te₃) Thermoelectric Generators for Water Disinfection Application</i>
I-P58	Deepa BHATT , P. Vaqueiro, A. Powell <i>Effect of Te substitution and copper vacancies on the thermoelectric performance of BiCuSeO</i>
I-P59	Juliusz LESZCZYNSKI , P. Nieroda, A. Kolezynski <i>Optimization of the thermoelectric properties of tetrahedrites using various co-doping strategies</i>
I-P60	Frantisek MIHOK , K. Saksl, M. Kruszewski, S. Michalik <i>Polarity switch and thermoelectric properties of polycrystalline SnSe doped with Bi</i>
I-P61	Katsumichi HANZAWA , K. Yamanaka, S. Kato, T. Doi, Y. Kurokawa, N. Usami, T. Itoh <i>Fabrication and Performance Evaluation of Thermoelectric Mg₂Si Compounds Synthesized Using Silicon Extracted from waste PV modules</i>
I-P62	Ram AMUTHAN , K. P. Mohamed Jibri, J. Archana, M. Navaneethan, M. Krishnamohan <i>Enhancement of power factor in ferromagnetic phase of BiCuSeO</i>
I-P63	Rajat SAINI , S. Paul, S. K. Pati, R. C. Mallik <i>Enhanced thermoelectric performance in a Te-substituted and Cu-deficient Superionic Conductor</i>
I-P64	T. S. NIVIN , V. Vijay, E. Karvaanan, M. Navaneethan, A. Karthigeyan <i>Realizing the low thermal conductivity of SnS by utilizing the phonon liquid-like behavior of Cu₂Se</i>
I-P65	Gouri SANKAR , S. Perumal, G. Arunachalam <i>Thermoelectric properties of aliovalent Zn doped Cu_{1.8}S polycrystalline materials</i>
I-P66	Paweł NIERODA , J. Leszczyński, M. J. Kruszewski, D. Kozień, A. Koleżyński <i>Improving the thermoelectric properties of Cu₂Se by adding B₄C inclusions and obtaining the material using the "SPS melting" method</i>
I-P67	Norbert NEMES , JM G. Amores, N. Biskup, J. Beltran, F S. Sánchez, H. L. Andersen, J. Alonso, JL M. Peña, OJ Durá, MT F. Díaz, J. Gainza <i>Composition, structure and phonon softening in high entropy alloys based on PbTe thermoelectrics</i>
I-P68	Yuting QIU , L.-D. Zhao, Y. Jin, D. Ren <i>Electrical and Thermal Transport Properties of GeTe-Pb-CuSbSe₂</i>
I-P69	Hironori OHSHIMA , Y. Takashima, Y. Goto, C. H. Lee <i>Synthesis of α-MgAgSb using melting method</i>
I-P70	H. Kunioka, Hiroya OISHI , D. Shiojiri, N. Hirayama, Y. Imai and T. Iida <i>Investigation of the Group 13 elemental doping effect on the environmentally benign thermoelectric material α-SrSi₂</i>
I-P71	Dáša DRENČAKOVÁ , M. Achimovičová, M. Baláž, J. Navrátil, V. Kucek, V. Puchý, J. Briančin <i>Characterization and transport properties of mechanochemically synthesized semiconductor CuAgSe</i>
I-P72	Jiankang LI , R. Chetty, T. Mori <i>Enhancing the thermoelectric performance of Mg₃Sb₂-based materials via Ag doping</i>
I-P73	Ji Hee PI , C. O. Park, J. Y. Hwang, K. H. Lee <i>Thermoelectric Properties of Oxide Material: single crystal of K_{0.8}Ti_{1.73}Li_{0.27}O₄ (KTLO) with layered structure</i>

I-P74	Christophe CANDOLFI , A. Léon, K. Pryga, B. Wiendlocha, S. E. Oualid, B. Lenoir Sn in Bi ₂ Te ₂ Se: Resonant or not resonant?
I-P75	Amin BAHRAMI , S. He, C. Jung, R. He, Z. Ren, S. Zhang, K. Nielsch <i>Precision interface engineering of CuNi alloys by powder ALD toward better thermoelectric performance</i>
I-P76	Jan ZICH , A. Sojka, J. Navrátil, T. Plecháček, P. Ruleová, K. Knížek, Č. Drašar <i>General review of polycrystalline Bi₂O₂Se preparation</i>
I-P78	Jiří NAVRÁTIL , J. Zich, P. Ruleová, P. Levinský, Jan Mistrík, M. Míšek, S. Kamba, Č. Drašar <i>Transport and optical properties of the quasi 2D Bi₂O₂Se single crystals</i>
I-P79	Vivek KUMAR , T. Maiti <i>Ca₃Co₄O₉-based high entropy oxide for high-temperature thermoelectric application</i>
I-P80	Mun Hwi LEE , G. H. Lee, J. Y. Cho, Y. S. Lim, W. H. Nam <i>Enhanced Thermoelectric Properties of CoSb₃ Skutterudites by Incorporating Ag Nanoparticles</i>
I-P81	Ilhame ASSAHSAMI , B. Popescu, R. El Bouyadi, A. Galatanu <i>Thermoelectric properties of n-type Mg₂Si_{0.4}Sn_{0.6} solid solutions co-doped with Y-Sb and V-Sb</i>
I-P82	Chandrakant PRAJAPATI , M. Saravanan, N. K. Upadhyay, R. Shyam, S. R. Dhakate <i>Synthesis and thermoelectric properties of (Nb, Ge) Doped Higher manganese Silicide</i>
I-P83	Sahiba BANO , T. Aizawa, S. Shaikh, and T. Mori <i>Significant Reduction of Thermal Conductivity and Enhancing Thermoelectric Performance in CrSb₂ via Fe-Bi Co-Alloying</i>
I-P84	Michał SZOT , J. Korczak, W. Wołkanowicz, S. Chusnutdinow, W. Zaleszczyk, L. Kowalczyk, R. Minikayev, M. Aleszkiewicz, G. Karczewski, T. Wojtowicz, T. Story <i>Single crystals of SnSe grown from the vapor for thermoelectricity</i>
I-P85	Wenhao ZHANG , J.-F. Halet, T. Mori <i>First Principles Tight-binding Analysis of Electronic Structure of n-type Mg₃Sb₂ and Band Engineering Strategies</i>
I-P86	S. Acharya, Woochul KIM <i>Improving the thermoelectric performance of n-Type diamond-like AgInSe₂ through nanostructure inclusions</i>
I-P87	Alberto CASTELLERO , A. Difalco, M. Baricco, C. Fanciulli, A. Ferrario, S. Boldrini <i>Production of half-Heusler alloys for a thermoelectric generator prototype</i>
I-P88	Kushal MEHROTRA , A. Novitskii, T. Mori <i>Relationship Between Chemical Bonding Strength, Thermoelectric Performance, and Mechanical Properties Controlled By Anion Site in YbMg₂(Bi,Sb)₂ Zintl Phase</i>
I-P89	Maria WRÓBLEWSKA , K. Ciesielski, E. Toberer <i>From half-Heusler to rocksalt: discovery and thermoelectric properties of a novel solid solution in ErNi_xSb-ErSb</i>
I-P90	Shu-Qing LI <i>Glassy ZIF-62 Compositing Induces Ultralow Lattice Thermal Conductivity in GeTe</i>
I-P91	Manisha YADAV , V. Singh <i>Zn doped SnSe material for potential thermoelectric application</i>
I-P92	Peerapong YAMCHUMPORN , K. Boonin, S. Jumpathip, T. Sareein, K. Singsoog, T. Seetawan, J. Kaewkhao <i>The investigation in thermoelectric properties of 30Li₂O: 3Bi₂O₃: (60-X)B₂O₃: 7CuO: (X)TeO₂ oxide glass</i>
I-P93	Nishath Jamal BEGUM , P. Rajasekar <i>Thermoelectric Properties of Higher Manganese Silicide Synthesized by Molten Salt Shielded Synthesis Method</i>
I-P94	Haiqi LI , C. Chen, X. Wang, D. Shen, S. Duan, W. Wang, K. Liu, Q. Zhang, Y. Chen <i>Realizing High Average zT in GeTe through Band Modulation and Suppressing Ge Vacancies</i>
I-P96	S. Majumder, P. Singha, C. V. Devan, B. Deb, Vinayak KAMBLE <i>Thermoelectric Transport Studies on GeTe, SnSe based alloys Mitigating Bipolar Conduction</i>
I-P97	Elise DIRICAN , A. Moll, C. Barreteau, M. H. Berger, F. Gaslain, E. Alleno <i>Solid State Synthesis and Thermoelectric Characterization of YbCuSb</i>
I-P98	Molly MCVEA , C. B. Nielsen, O. Fenwick, P. Á. Szilágyi <i>Metal-Organic Frameworks as Thermoelectric Materials: Design, Synthesis and Assessment</i>
I-P99	Yuichi ASHIDA , S. Fujieda, S. Ichikawa, Y. Ohishi, H. Muta <i>Thermoelectric properties of nanostructured bulk Si with heavily doped P</i>
I-P100	Sagarika SHARMA , T. Parashchuk, O. Cherniushok, J. Tobola, K. T. Wojciechowski <i>Effect of cation substitution on the thermoelectric properties of Cu-based argyrodites</i>
I-P101	Remigiusz OSOWSKI , O. Cherniushok, T. Parashchuk, J. Tobola, K. T. Wojciechowski <i>Effect of anion substitution on the structural and thermoelectric properties of Cu-based argyrodites</i>
I-P102	Rizwan AKRAM , J. A. Khan, J. S. Khan <i>Synthesis and thermoelectric properties of Barium doped Ca₃Co₄O₉</i>
I-P103	Sung-Jin JUNG , Y. Jung, H. Y. Kim, I. Lee, K. Kim, M. Kim, H. Wee, Y. Koh

	<i>Exploring the relationship between particle size and process parameters of hot extrusion on thermoelectric property of n-type Bi₂Te₃-based alloys</i>
I-P104	Swati SWATI , J. Prakash <i>Structural aspects of the Ag-substituted BaCu₂Se₂ phases and their thermoelectric (TE) properties</i>
I-P105	Varinder PAL , M. Paliwal, C. S. Tiwary <i>Directional solidified Bi₂Te₃-Ga₂Te₃ thermoelectric multiphase alloy</i>

Nanomaterials

I-P106	Younes Bourenane CHERIF , Z. Mekhalif, S. Abdous, L. Nedjar, A. Mekki <i>Synergistic Enhancement of Thermoelectric Performance through One-Dimensional Hybrid Nanocomposites: Wrapped Nickel Oxide-Decorated Multi-Walled Carbon Nanotubes with Polypyrrole</i>
I-P108	Yong Jin JEONG , I. H. Kim <i>Hydrothermal Synthesis and Characterization of Copper Selenides for Photothermal-Thermoelectric Applications: Investigating Material Properties and Synthesis Conditions</i>
I-P109	Nouredine OUELDNA , A. Portavoce, K. Hoummada <i>Crystalline Mg-Ag-Sb thermoelectric thin films for energy harvesting applications</i>
I-P110	In Ho KIM , Y. J. Jeong <i>Solution-Based Doping and Drying Strategies for Improving the Thermoelectric Performance of Tellurium Nano-needle film via Green Hydrothermal synthesis</i>
I-P111	Jose María DOMÍNGUEZ-VÁZQUEZ , O. Caballero-Calero, A. Cebollada, A. Conca, M. Martín-González <i>Thermoelectric efficiency of sputtered epitaxial Fe₂VAI (100) and (110) thin films</i>
I-P112	Yuan-Meng LIU , X. L. Shi, Q. Liu, Z. G. Chen <i>Boosting Thermoelectric Performance and Stability of SWCNT-Based Flexible Films and Devices through Rational Triple Treatments</i>
I-P113	Ichiro IMAE , M. Morimoto, K. Imato, Y. Ooyama, D. Saito, R. Maeda, Y. Goto <i>Modulating Thermoelectric Properties of Single-Walled Carbon Nanotubes through Chemical Doping Methods</i>
I-P114	Dominique MATTLAT , R. Bueno Villoro, C. Jung, S. Zhang, R. He, R. Hatami Naderloo, D. Zavanelli, G. J. Snyder, C. Scheu <i>Effective doping of InSb at the grain boundaries in Nb_{1-x}Ti_xFeSb based Half-Heusler thermoelectrics for high electrical conductivity and Seebeck coefficient</i>
I-P115	Charlotte POTERIE , R. Burcea, H. Bouteiller, T. Cabioch, J.F. Barbot, P. Eklund, A. Le Febvrier <i>Effect of implantation-induced defects on the transport properties of Scandium Nitride (ScN) thin films</i>
I-P116	Farjana J. SONIA , N. B. Pulumati, K. Nielsch and H. Reith <i>Electrodeposited Near-Room-Temperature Micro-Thermoelectric Generators</i>
I-P117	
I-P118	Surabhi SURESH , C. Hettiarachchige, G. Das, N. Singh <i>Ag Nanowires Decorated with Se Nanoparticles for Enhanced Thermoelectric Properties</i>
I-P119	Chul Oh PARK , J. H. Pi, M. Y. Kim, K. H. Lee <i>Enhanced thermoelectric transport properties of Al-doped Zinc Oxide via grain morphology control</i>
I-P120	Niraj SINGH , V. Hjort, D. Gambino, A. I. Febvrier, B. Alling and P. Eklund <i>Experimental and DFT study of doped CrN thin films for thermoelectric applications</i>
I-P121	Tetiana TAVRINA , S. Linden <i>Two-dimensional crystals of MoS₂ and MoSe₂ for thermoelectric applications</i>
I-P122	Swathi Krishna SUBHASH , H. Hillebrecht, P. Woias, U. Pelz <i>Tuning the thermoelectric properties of Bi₂Te₃ by alloying and nanostructuring via high energy ball-milling</i>
I-P123	Tommy HOFMANN , H. Haseeb, D. Kojda, N. Gostkowska-Lekner, K. Habicht <i>Charge Transport in Mesoporous Silicon: Origin of the Meyer-Neldel Rule</i>
I-P124	Alex Rodríguez-Iglesias , I. Martín, F. Pérez, J. Santander, F. X. Álvarez, A. F. Lopeandia, L. Fonseca, L. Abad, M. Salleras, M. Fernández <i>In search of the thermoelectric enhancement of ultra-thin Si films: a block copolymer driven nanostructuring approach</i>
I-P125	Suman ABBAS , B. Jarwal, L. C. Chen and K. H. Chen <i>Exploring the Effect of Molybdenum (Mo) doping on Thermoelectric Properties of Cubic Ge-Sb-Te Thin Film</i>
I-P126	Alapati J S A Veeranjanya VARA PRASAD , K. Jayabal, P. Veluswamy <i>Fabrication of thin film thermoelectric generator using Magnetron Sputtering</i>
I-P127	Ahmad GHARLEGHI , C. J. Liu

	<i>Enhanced zT of Hydrothermally Synthesized Cobalt Skutterudites by Partially Indium Filling through a Solid-Vapor Reaction Process</i>
I-P130	Khalid MAHMOOD , A. Ali, N. A. Khan <i>Optimizing Thermoelectric Efficiency: Hydrothermal Synthesis of Mn-Cd Co-doped SnO₂ Nanoparticles</i>
I-P131	Oskars BITMETS , K. Pudzs, B. Hamawandi, M. S. Toprak <i>Tailoring Thermoelectric Properties: Bi₂Te₃ and Sb₂Te₃ Nanoparticles in a PEDOT:PSS:PEO Composite</i>
I-P132	Cristiana Antonella MATROPIERRO , G. Calabrese, R. Cecchini, G. Lorusso, D. Gentili, V. Morandi, F. Liscio <i>Electrochemical Exfoliation of MoS₂ for Thermoelectric Applications: A Novel Approach to Near-Room-Temperature Energy Conversion</i>
I-P133	Seenidurai ATHITHYA , M. Navaneethan, E. Senthil Kumar <i>Probing an enhanced thermoelectric by tuning multiscale phonon scattering and band engineering in ternary Al doped CuAgSe-based materials</i>
I-P134	Chandrasekaran ARCHANA , R. Abinaya, J. Archana, M. Navaneethan, S. Harish <i>Realization of low potential barrier in MoS₂/rGO heterojunction with enhanced electrical conductivity for thin film thermoelectric applications</i>
I-P135	Wei-Han TSAI , C. L. Chen, R. K. Vankayala, Y. H. Lo, T. H. Wang, S. Y. Huang, Y. Y. Chen <i>Enhancement of ZT in Bi_{0.5}Sb_{1.5}Te₃ Thin Film through Lattice Orientation Management</i>
I-P136	Rizwan AKRAM , K. Ahsan, J. S. Khan <i>Impact of Polypyrrole on thermoelectric properties of Bismuth Telluride based composites</i>
I-P137	Joseph MOREAU , F. Tournus, O. Boisron, S. Pailhès <i>Toward embedded magnetic nano-clusters for thermoelectricity</i>
I-P138	Akshra DADHICH , S. Perumal, B. Srinivasan, M. S. Ramachandra Rao, K. Sethupathi <i>Thermoelectric transport properties of Co_{4-x}Mo_xSb₁₂ compounds</i>

16:30-18:30

POSTER SESSION II (Tuesday)

Theory & Modelling

II-P1	Mei-Jiau HUANG , H.-J. Hong <i>A Detailed-Energy-balanced Mixed Mismatch Model</i>
II-P2	Warawut SA-ARDSIN , S. Pantian <i>Elliptical Pores and Thermoelectric Thermal Conductivity: A Maxwell-Eucken Model Reveals Shape Dependence</i>
II-P3	Prashant Kumar SAHU , H. Kamila, J. de Boor, E. Mueller, T. Dasgupta <i>Sequential approach to multiband modelling of thermoelectric materials</i>
II-P4	Iwan Ruiz Cózar , A. Massaguer, E. Massaguer, A. Cabot, T. Pujol, J.J. Suñol <i>Analysis to identify the influence of the variables of an automotive thermoelectric generator on the power generation</i>
II-P5	Gökçe VARDAR , B. O. Gürses, G. Gürlek <i>Energy and Exergy Analysis of a Thermoelectric Generator for Subcutaneous Applications</i>
II-P6	Lankun WANG , J. Sui, Z. Liu <i>Investigating the Phonon Transport Mechanisms in Aliovalent-doped TiCoSb Half-Heusler Thermoelectrics</i>
II-P7	Surbhi RAMAWAT , A. Dixit <i>β-SrZrS₃: A superior intermediate temperature thermoelectric through complex band geometry and ultralow lattice thermal conductivity</i>
II-P8	Sumit KUKRETI , A. Dixit <i>Strain-engineered thermophysical properties ranging from band-insulating to topological insulating phases in β-antimonene</i>
II-P9	Sophie K. GUILLEMOT , A. Suwardi, N. Kaltsoyannis, J.M. Skelton <i>Impact of crystal structure on the lattice thermal conductivity of the IV-VI chalcogenides</i>
II-P10	Dariusz WIECZOREK , Bartłomiej Wiendlocha <i>Theoretical studies of the electronic structure, transport properties and doping in InTe</i>
II-P11	Gabriel KUDEROWICZ , B. Wiendlocha <i>Study of lattice dynamics and electron-phonon interaction in SnTe:In and PbTe:TI</i>
II-P12	Wiebke LIEBSCHER , A. G. Rösch, Md. M. Mallick, Q. Zhang, M. I. Khan, L. Franke, M. Kemerink, U. Lemmer <i>Exploring transport mechanisms of printed bismuth telluride based nanocomposite materials with COMSOL</i>
II-P13	Minsu HEO , H. S. Kim <i>Evaluation of thermoelectric parameters in In and Sr co-doped SnTe via the progressed single parabolic band model examination method</i>
II-P14	Alveena KHAN , J. Flitcroft, J. Skelton <i>ATiO₃ (A=Ca, Sr or Ba) oxide perovskites for high-performance thermoelectrics</i>
II-P15	Joseph M. FLITCROFT , A. Althubiani, J. M. Skelton <i>Bismuth Oxychalcogenides for Thermoelectric Material Applications</i>

New Materials

II-P16	Martin LEPROULT , T. Barbier, E. Guilmeau <i>Harnessing the Lone Pair Effect for Enhanced Thermoelectric Performance in Chalcogenides</i>
II-P18	Koki NAKASHIMA , A. Nagaoka, Y. Hirai, K. Nishioka <i>Controlling the conduction type in ZnSnAs₂ chalcopyrite thermoelectric materials with high power factor</i>
II-P19	Joris More-CHEVALIERA , U. D. Wdowik, Jiří Martan, S. Cichoň, Petr Levinský, D. Legut, E. de Prado, J. Pokorný, J. Bulíř, M. Novotný, L. I. Gregora, L. Fekete, L. Volfová, J. Lančok <i>Thermoelectric properties of ScN layers and doped ScN layers with Nb</i>
II-P20	Savvas HADJIPANTELI , Th. Krasia-Christoforou, Th. Kyratsi <i>Thermoelectric performance of PEDOT:PSS composites with Bi_{0.4}Sb_{1.6}Te₃</i>
II-P21	Taichi NAKAMURA , M. Miyata, D. Takeda, T. Munemoto, A. Matoba, T. Toyoda and M. Koyano

	<i>Electron and phonon transport properties of Ag-P composite thermoelectric materials showing low lattice thermal conductivity</i>
II-P22	Uzma HIRA , J.-W.G. Boss, F. Sher <i>Substantially low thermal conductivity and high thermoelectric figure-of-merit in Bi-doped Sr₂CoRuO₆ double perovskites</i>
II-P23	Xuezheng DU , B. Lin, H. Liu <i>Ultralow thermal conductivity of crystalline organic-inorganic 2D halid perovskites</i>
II-P24	Kosuke Watanabe , H. Kojima, K. K. Raut, C. Bourgès, T. Mori, K. Miyazaki <i>Development of Printed Thermoelectric Films Using CoSb₃-based Materials</i>
II-P25	Manoj SINGH , A. K. Gautam, M. Faraz, N. Khare <i>Freestanding, Polyaniline/WS₂/CNT Nanocomposite Flexible Film for Thermoelectric Application</i>
II-P27	Kaspars PUDZS , B. Hamawandi, O. Bitmets, A. Maurucaite, R. Grzibovskis, M. S. Toprak <i>Thermoelectric Hybrid Systems Utilizing Low Molecular Weight Compounds</i>
II-P28	Rajan BISWAS , J. W. G. Bos <i>Ionic Thermoelectric Properties of NASICON based Fast Ion Conductors</i>
II-P29	Kristina ASHURBEKOVA , M. Naumochkin, H. Reith, K. Nielsch, M. Knez <i>Organic-inorganic hybrid thermoelectric materials through vapor phase infiltration</i>
II-P30	Md Mahmudur RAHMAN , M. Solis-de la Fuente, L. Márquez-García, J. García-Cañadas <i>Remarkable power factor improvement in a nanostructured and porous thermoelectric material functionalised with viologen molecules</i>
II-P31	Damian LEWOC , T. Miruszewski, <i>Pyrochlore thermoelectric materials based on composite composition</i>
II-P32	Sanjukta MUKHERJEE , T. Maiti <i>Thermoelectric Properties of BaTiS₃ Chalcogenide perovskite exhibiting ultra-low thermal conductivity</i>
II-P33	Martyna Maria CZUDEK , T. Miruszewski, D. Jaworski, M. Gazda <i>Thermoelectric properties of multicomponent oxides</i>
II-P34	Aichi YAMASHITA , K. Prateek, P. Rani, A. Seshita, Y. Mizuguchi <i>Development of cubic structural high-entropy-type thermoelectric materials</i>
II-P35	Hitoshi KOHRI <i>Preparation and Thermoelectric Properties of Pseudo Binary Compounds of Molybdenum Disilicide and Tungsten Disilicide</i>
II-P36	Trivedi VIKRANT , N. Tsujii, T. Mori <i>The enhancement of the thermoelectric properties of nanostructured Sm-doped SrSi₂ low-cost p-type thermoelectric materials for waste-heat recovery applications</i>
II-P37	Michael HALL , P. Bhatnagar, R. C. Mudavath, A. Mejia-Pena, D. Vashae <i>Engineering Spin-Driven Thermoelectricity in Manganese Mono-Chalcogenides</i>
II-P38	Adnan ALI , K. Mahmood, M. Yasir Ali, M. Shujaat Hussain <i>High power factor in room temperature thermoelectric range for thermally evaporated GeO₂ thin films by post growth annealing process</i>
II-P40	Adrianna LIS , K. Zazakowny, K. Wojciechowski <i>Thermoelectric polymer composites based on PEDOT:PSS with added Cu_{12+x}Sb₄S₁₃ nanoparticles</i>
II-P41	Kimberly BEERS , K. Najafi, A. Ravi, Q. Zhang, B. Chen <i>Investigation of Co-Evaporated Bi₂Te₃ Thin Films on HD-4110 Polyimide for Thermoelectric Micro-Generators</i>
II-P42	M.S. HEMALATHA , P. Rajasekar <i>Synthesis and Thermoelectric performance of Co-doped β-FeSi₂/Polyaniline composites</i>
II-P43	Marcello FRANZINI , S. Galliano, M. Bonomo, N. Barbero, K. Sasitharan, G.H. Morritt, M. Borri, G. Filiddani, M. Freitag, A. Reale, C. Barolo <i>Novel Cu-polymers for low-temperature thermal energy harvesting</i>
II-P44	Silvia MILITA , G. Calabrese, C. Pipitone, A. Martorana, F. Giannici A. Guagliardi, N. Masciocchi <i>1-D pseudoperovskite thin films: structure, morphology and long term stability</i>
II-P45	Karolina ZAZAKOWNY , A. Lis, K. Wolski, S. Zapotoczny, K. Wojciechowski <i>Flexible Composite Materials Based on PEDOT:PSS with Inorganic Additives</i>
II-P46	Kaja BILIŃSKA , M. J. Winiarski <i>Machine Learning for half-Heusler Phases: From Lattice Parameter to Thermoelectric Performance</i>
II-P47	S. Gogoc, K. Wojciechowski, Przemysław DATA <i>Flexible thermoelectric pellets based on poly(3-hexylthiophene) with dodecylbenzenesulphonic acid</i>

Measurements

II-P48	Ruian LIU , M. Miyata, M. Koyano <i>Investigation of lattice anharmonicity in Se-doped Bi₂Te₃ based on temperature-dependent Raman spectroscopy</i>
II-P49	Jeongsoo KANG , S. Seong, Y. S. Kwon, B. I. Min <i>Synchrotron-radiation Spectroscopy Study of RTe₂ and RTe₃ Charge Density Wave Compounds (R=Pr, Er)</i>
II-P50	Anustoop DAS , K. Pal, P. Acharyya, S. Das, K. Maji, K. Biswas <i>Strong Antibonding p-d States Lead to Intrinsically Low Thermal Conductivity in a Cubic Metal Halide CuBiI₄</i>
II-P51	Karl-Heinz GRESSLEHNER , M. Krenn, P. Kerepesi, L. Gupfinger, Ch. Beisteiner, B. Plank, B. Sonderegger <i>Non-Destructive Inspection of Thermoelectric Modules by Scanning Acoustic Microscopy</i>
II-P52	Maksim NAUMOCHKIN , K. Nielsch, H. Reith <i>Post annealing and doping with Sb and Cu for precise and wide range tuning of thermoelectric properties of physically vapor deposited Sb₂Te₃ thin films by</i>
II-P53	Tony MATHEW , V. Vijay, R. Santhosh, J. Archana, M. Navaneethan <i>Investigation of thermoelectric properties of Ag_{2-x}Al_xSe for waste heat recovery</i>
II-P54	Satoaki IKEUCHI <i>Development of instrument to evaluate Peltier performance of thermoelectric modules</i>
II-P55	Kazuo NAGASE , A. Yamamoto, C.-H. Lee <i>Accelerated deterioration test of thermoelectric modules under current load</i>
II-P56	Kenjiro OKAWA , Y. Amagai, N. Sakamoto, N.-H. Kaneko <i>Comparison of measurement techniques for investigating thermoelectric conversion efficiency from a radiative heat loss perspective</i>
II-P57	Anil PANDYA , D. Anadkat, A. Jaiswal, A. V. Sanchela <i>Improved thermoelectric power factor by using different grades graphite paint on paper</i>
II-P58	S. Shin, D. Kim, Seongjae JEON , S. Han <i>Thermal fatigue and shear tests for bond joints of thermoelectric devices</i>
II-P59	Takahiro BABA , T. Baba, T. Mori <i>Determination of thermal diffusivity of thin film by Fourier transform reflectance method under convenient front-heat front-detect configuration</i>
II-P60	Chloé ANDRADE , S. Hawila, A. Abdallah, J-L. Rukemampunzi, A. Mesbah, N. Guillou, F. Perret, S. Wuttke, T. Niehaus, R. Debord, O. Boisron, S. Pailhès and A. Demessence <i>A p-type Semi-Conducting Copper(I)-1,3-Benzenedithiolate 2D Coordination Polymer with High Seebeck Coefficient</i>
II-P61	Maja SAJDAK , J. Tobola, T. Parashchuk, M. Krzywiecki, P. Powroźnik, K. T. Wojciechowski <i>Probing hydrogen content in steel using the thermoelectric effect</i>

Devices

II-P63	Devi Bala Saraswathi SETHURAMAN , C.-J. Liu <i>Enhanced Thermoelectric Performance of Ni_{1-x}Cr_x: Energy-Efficient Synthesis and TEG Utilizing Ni_{0.90}Cr_{0.10} (p-leg) and Nitric Acid-Treated Cu_{0.60}Ni_{0.40}/PEDOT Composites (n-leg)</i>
II-P64	Yuichi HIRAI , A. Nagaoka, K. Nakashima, Y. Ota, K. Nishioka <i>Development of Bi₂Te₃-based thermoelectric device by compositional optimization</i>
II-P66	Sushantika CHOUDHARY , B. Agrawal, S. Desale, A. Singh, T. Dasgupta <i>Dopant Optimization for High Efficiency Mg₃Sb_{0.6}Bi_{1.4} Single Leg Thermoelectric Device</i>
II-P69	Matteo D'ANGELO , Y. Kim, H. Han, N. Lecis, J. S. Son <i>Bi₂Te₃-based Thermoelectric Films Deposited by Aerosol Jet Printing: Chemically Synthesized and Ball Milling-derived Inks Compared</i>
II-P70	Zeyu LIU , R. Huang, L. Chu, L. Shen <i>The general strategy for designing and selecting of thermoelectric cooler based on surrogate model</i>
II-P71	Manikandan SUBRAMANI , S. Mohandos, P. Veluswamy <i>Synergizing and Comparison of [1,3]oxazine Molecule for Efficient Organic Thermoelectric Energy Harvesting</i>
II-P72	Tomohiro KUSUMOTO , Y. Kurokawa, N. Usami, T. Itoh <i>Fabrication of tilted Mg₂Si/Ni multilayer composite thermoelectric elements using PLA molds and power generation evaluation</i>

II-P73	Yuto MATSUZAKI , R. Tadenuma, Y. Aoshima, M. Yamamoto, L. Takai, Y. Kawano, K. Li <i>Hybrid integration of high Seebeck coefficient materials with carbon nanotube film photo-thermoelectric broadband image sensors</i>
II-P75	Qi ZHANG , H. Li, R. Koshimizu, A. Sano, N. Takahashi, Y. Kawano, K. Li <i>Microwave-based non-destructive monitoring by photo-thermoelectric sensors with carbon nanotube films beyond the diffraction limit</i>
II-P76	Leo TAKAI , M. Yamamoto, D. Sakai, Y. Matsuzaki, Y. Kawano, K. Li <i>All printable carbon nanotube film type photo-thermoelectric broadband 2D camera sheets</i>
II-P77	Chongyang ZENG , E. Bilotti <i>New architectures for heat sink less organic and inorganic thin film thermoelectric (TE) devices inspired by Kirigami</i>
II-P78	Daiki SHIKICHI , R. Ota, R. Odawara, M. Kubota, Y. Kawano, K. Li <i>Multi-wavelength computer vision imaging for 3D composite materials structure restoration with a photo-thermoelectric detector</i>
II-P79	Ryoga ODAWARA , M. Yamamoto, N. Takahashi, Y. Kawano, K. Li <i>Faster operation and integration of photo-thermoelectric sensor in carbon nanotube film camera</i>
II-P80	Miki KUBOTA , Y. Kinoshita, Y. Matsuzaki, M. Yamamoto, L. Takai, Y. Kawano, K. Li <i>Ultrabroadband photo-thermoelectric imager for in-line multi-wavelength pharma inspection in a non-destructive manner</i>
II-P81	Jongho PARK , J. Jang, B. Ryu, S.D. Park <i>Fabricating Durable Silicide-Telluride Thermoelectric Modules through Chemically-Thermally-Designed Joining Process for Multiple Usability</i>
II-P83	Şeyma ÖZKAN , M. Şener, G. Gürlek, B.O. Gürses, Y. Seki <i>Investigation of Thermoelectric Properties of Layered 3D Modules from PEDOT:PSS-Based Inks</i>
II-P84	Soufiane EL OUALID , I.Kogut, M.Benyahia, E. Geczi, U.Kruck, F. Kosior, P. Masschelein, C. Candolfi, A.Dauscher, J. D. Koenig, A. Jacquot, T. Caillat, E. Alleno, B. Lenoir <i>Enhancing Power Density in Thermoelectric Generators: A Novel Approach Using Thick Metallic Layers Layers</i>
II-P85	Fushan LI , S. Li, Z. Liu, J. Sui <i>High performance Hf-free Half-Heusler power generation via material optimization and barrier design</i>
II-P86	Babu JAYACHANDRAN , R. Chetty, and T. Mori <i>Development of p-type Counterparts for the Medium Temperature $Mg_3Sb_{1.5}Bi_{0.5}$ Thermoelectric Devices</i>
II-P87	Aamir M. FASIH , R. Chetty, B. Jayachandran, T. Mori <i>Contact material optimization for the $Mg_3(Sb,Bi)_2$-based thermoelectric compounds</i>
II-P88	S. Masoumi, Amir PAKDEL <i>Flexible thermoelectric generators fabricated by spray printing of PEDOT:PSS/$Bi_{0.5}Sb_{1.5}Te_3$ composites</i>
II-P89	Saba SEPAHBAN SHAHGOLI , M. Ozen, U. Aydemir <i>Improving the efficiency of thermoelectric cooler modules prior to manufacturing using COMSOL Multiphysics</i>
II-P91	Marco S. NATALI , A. Ferrario, A. Miozzo, S. Barison , L. Armelao, S. Boldrini <i>Semi-automated assembly of thermoelectric couples for medium to high temperature thermoelectric devices</i>
II-P93	S. Majumder, G. Bolegave, P. Singha, Vinayak KAMBLE <i>Thermoelectric Energy Harvesting using Photothermoelectric Response Of Bismuth Selenide Thin Films</i>
II-P94	Michał MUSIAŁ , M. Borcuch, K. Wojciechowski <i>The influence of structural parametes of thermoelectric modules on the efficiency of thermoelectric generator</i>
II-P95	Michihiro OHTA , P. Sauerschnig, T. Ishida, A. Yamamoto <i>Highly efficient and stable thermoelectric modules based on nanostructured PbTe: from materials development to module architecturing</i>

Thermoelectric Systems and Applications

II-P97	Abdelakader ALLEG , A. Benamara, N. Moulay, M. Berrahal, A. Zoukel, O. Mansour, D. Bensaid, Y. Azzaz, Y. Al-Douri <i>Theoretical investigations of electronic, thermodynamic and thermoelectric properties of filled skutterudites $ThFe_4P_{12}$ and $CeFe_4P_{12}$ using DFT calculations</i>
II-P98	Aniruddha RAY , M. D. Heijer <i>Thermoelectric Modules and Applications: An Industrial Perspective</i>
II-P99	Laura CARLOSENA , L. Catalán, N. Pascual, P. Alegría, M. Araiz, D. Astrain <i>Improving autonomous remote sensing based on thermoelectricity with radiative cooling</i>
II-P100	Shoma MIURA , A. Nagaoka, K. Nakashima, Y. Hirai, K. Nishioka

	<i>Measurement and simulation of thermoelectric performance for p-type chalcopyrite ZnSnAs₂</i>
II-P101	Iñaki ALZUGUREN , P. Aranguren, Á. Casi, I. Erro, N. Pascual, A. Rodríguez, D. Astrain <i>Hybridisation of thermoelectric technology with vapour compression refrigeration systems to improve the performance of a R290 cycle</i>
II-P102	Riddhimoy PATHAK , L. Xie, S. Das, T. Ghosh, A. Bhui, K. Dolui, D. Sanyal, J. He, K. Biswas <i>Vacancy Controlled Nanoscale Cation Ordering Leads to High Thermoelectric Performance</i>
II-P103	W. Gulbiński, Ariel LEWANDOWSKI , M. Alichniewicz, P. Gertner <i>Elastic, thin film thermoelectric generator (TEG) produced by multisource magnetron sputtering for energy harvesting from heat exchanger waste heat</i>
II-P104	Vaishali TANEJA , S. Das, K. Dolui, T. Ghosh, A. Bhui, U. Bhat, D. K. Kedia, K. Pal, R. Datta, K. Biswas <i>High Thermoelectric Performance in Phonon-Glass Electron-Crystal Like AgSbTe₂</i>
II-P105	Nerea PASCUAL , P. Alegría, M. Araiz, L. Carlosena, L. Catalan, Á. Martínez, D. Astrain <i>Characterisation and optimisation of thermoelectric generators for powering volcanic monitoring stations under extreme climatic conditions</i>
II-P106	Matevž CIMERMANČIČ , K. Klinar, A. Kitanovski <i>Additively manufactured thermoelectric devices for cooling, heating, and energy harvesting applications – a review</i>
II-P107	Uttam GHOSHAL , D. Grimm, M. Koelzer, J. Palomino, J. Jamison <i>Multistage Conjoint Couples for Deep Cooling Applications</i>
II-P108	Suchandra MUKHERJEE , N. Rana, S. Goswami, A. Banerjee <i>Investigating thermoelectric performance of Ni doped Sb₂Te₃</i>
II-P109	Shanmugasundaram PRIYADHARSHINI , V. Vijay, S. Kamalakannan, J. Archana, M. Navaneethan <i>Realizing an ultralow thermal conductivity via interfacial scattering and rational-electronic band reformation in p-type Mg₃Sb₂ by Zn incorporation</i>
II-P110	Sivakumar NANTHINI , H. Shankar, P. Veluswamy <i>Fabrication and Characterization of Stibnite-Modified Cotton fabric for Thermoelectric Energy Harvesting</i>
II-P111	Katsuaki HASHIKUNI , R. Inoue, H. Anno <i>Stable Carrier Control of Carbon Nanotubes Using Electric Double Layer Electrets</i>
II-P112	Mirostaw MROZEK , A. Majcher, M. Neska, A. Gospodarczyk <i>Waste heat recovery using thermoelectric generators with a specialized DC-AC power electronic converter</i>
II-P113	Charles BARRAH , A. Kiyabala Lopez, J. Siviter, A. Knox <i>Design of a multi-kW Thermoelectric Heat Pump</i>
II-P114	A. Attar, Mohammed ALSUBHI , A. Alkuhayli, A. Alharbi, A. Alsubhi <i>Designing Zonal Automotive Thermoelectric Air-Conditioning System for Electric Vehicles</i>
II-P115	Irantzu ERRO , P. Aranguren, I. Alzuguren, N. Pascual, A. Martinez, D. Astrain <i>A Computational Model for Two-Stage Thermoelectric Heat Pump Validated through Experimentation in Heating</i>
II-P116	Rana GHANNAM , S. Misra, B. Lenoir, C. Candolfi <i>Influence of the In-induced resonant level on the thermoelectric properties of SnTe</i>
II-P117	Alaa ATTAR , A. Alharbi <i>A New Design of a Geothermal Thermoelectric Generator System (GTEG) for Geothermal Heat Recovery</i>
II-P118	Dona JOSEPH , C. Fanara <i>PHOTOVOLTAIC THERMOELECTRIC GENERATORS: STATUS AND ASPECTS</i>
II-P119	Florian LIEBETRAU , J. Schwab, M. Kober, C. Weber, F. Rinderknecht <i>Microinverter for thermoelectric generators for combined feed-in to AC grids and low-voltage battery storage systems</i>
II-P120	Priyanka SANGWAN , M. Saravanan, N.K. Upadhyay, Radhey Shyam, S. R. Dhakate <i>Structural and Thermal Conductivity Investigations on Particulates Added FeSi₂-based Thermoelectric Material</i>
II-P121	Farheen ANJUM , P. Dixit, T. Maiti <i>Enhanced thermoelectric performance with improved mechanical strength in Bi₂S₃ via fabrication of composite with graphite</i>
II-P122	Carlo FANCIULLI , A. Nespoli, R. Donde, C. La Terra, F. Migliorini, F. Passaretti, S. De Luliis <i>Critical issues associated to thermal power density in the development of thermoelectric systems</i>
II-P123	Poonam RANI , A. Yamashita, A. Seshita and Y. Mizuguchi <i>Synthesis and thermoelectric properties of high-entropy-type CoSb₃ skutterudite</i>
II-P124	Seong-jae JEON , H. Park, S. Shin, D.-H. Kim, S. Han, J.J. Han <i>Evaluation of Automotive Thermoelectric Power Generation System</i>
II-P125	Matthias HELMICH , T. Knobelspies, C. Fritscher, J. Schwab, J. Schnüll, M. Kober, F. Rinderknecht, T. Siefkes <i>Development of a test bench for cryogenic TEG applications</i>
II-P126	Atsushi YAMAMOTO , K. Imasato, S. Baba, P. Sauerschnig, T. Ishida, M. Ohta <i>Thermoelectric Application to Carbon Capture System</i>

II-P127	Muhammad Irfan KHAN , L. Franke, A. G. Rösch, M. M. Mallick, Q. Zhang, U. Lemmer <i>Design optimization of printed thermoelectric generators tailored for plate heat exchangers in waste heat recovery applications</i>
II-P128	Hyukjun YOUN , J. Heo, H. Jeong, K. Lee, Y. Kim, H. Jo, S.-M. Choi <i>Design of Paste for Transient Liquid-Phase Sintered Electrodes in High-Temperature Thermoelectric Module</i>
II-P129	Joon HEO , H.-J. Youn, H. S. Jeong, K. H. Lee, H. Jo, Y. S. Kim, S.-M. Choi <i>Control of Particle Size Distribution in Metallic Glass Powder for High-Temperature Electrode Applications in Thermoelectric Modules</i>
II-P130	Pawel ZIOLKOWSKI , N. Rink, A. Fey, P. Schmidt, B. Singh, C. Kinias, E. Müller <i>Thermoelectric Generator Integration for Autonomous Heating Systems on Maritime Vessels</i>
II-P131	Pawel PACZKOWSKI , K. Wojciechowski, D. Kopyciński <i>Control of casting structure and production of electricity by means of a chill with thermoelectric modules</i>
II-P132	Mohammad O. YOUSOF , M. Ouzzane, K.J. Hughes <i>Study of Earth to Air Heat Exchanger Combined with Thermo-Electric Cooling Device for Air Cooling in Saudi Arabia</i>
II-P133	Anil KUMAR , S. Thoravat, P. Rawat, H. Jin, J. S. Rhyee <i>Hierarchical phonon scattering from nano to macro scale in Bismuth Telluride bulk composites and cost effective module structure</i>
II-P134	Himanshu SHARMA , B. Sahni, T. Saha-Dasgupta, A. Alam <i>Cu-based quaternary chalcogenide with promising electronic transport</i>
II-P135	Adriana MAURUCAITE , B. Hamawandi, R. Grzibovskis, K. Pudzs <i>Investigations of electrical properties of p-type low molecular weight compounds for applications of thermoelectric hybrid systems with Sb_2Te_3 nanoparticles</i>
II-P136	A.Gurevich, Isaac STEINER <i>Design of high performance thermoelectric systems based on components optimization</i>
II-P137	Daniel SÁNCHEZ GARCÍA-VACAS , P. Aranguren, R. Larrondo-Sancho, A. Casi, I. Alzuguren, A. Rodríguez, R. Llopis, R. Cabello, D. Astrain <i>Improving a transcritical refrigerating plant by using a thermoelectric subcooler and a low-GWP $CO_2/R32$ mixture</i>
II-P138	Mateusz DANIOŁ , L. Böhler, R. Sroka <i>Powering Medical IoT: Thermal Energy Harvesting from Hospital Logistics</i>
II-P139	Valaguruvan PARKAVI , K. Jayabal, P. Veluswamy <i>Behavioural Studies of Black TiO_2 paste as Photothermal layer for an Integrated Photovoltaic-Thermoelectric generator</i>