ICT2003 Presentations by Topic

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topic	presenting author	contacting author	I: invited O: oral P: poster	schedule	abstract title	affiliation	country
B4	Fleurial J.-P., Dr	Fleurial J.-P., Dr	I	Mo 10:15-11:00 am	Thermoelectric power conversion for solar system exploration	Jet Propulsion Laboratory, California Institute of Technology	USA
B1	Rowe D.M., Prof.	Rowe D.M., Prof.	I	Mo 9:30-10:15 am	An overview of European thermoelectric activities	NEDO Laboratory for Thermoelectric Engineering, School of Engineering, Cardiff University	United Kingdom
A1	Simard J.-L., Mr	Simard J.-L., Mr	I	We 8:30-9:00 am	Influence of composition and texture on the thermoelectric and mechanical properties of extruded (Bi1-xSbx)2 (Te1-ySey)3 alloys	5N Plus Inc.	Canada
A2	Uher C., Prof.	Uher C., Prof.	I	Tu 9:30-10:00 am	Skutterudites: promising power conversion thermoelectrics	Department of Physics, University of Michigan, Ann Arbor	USA
A3	Anno H., Dr	Anno H., Dr	I	We 9:00-9:30 am	Effect of transition element substitution on thermoelectric properties of semiconductor clathrate compounds	Tokyo University of Science, Yamaguchi	Japan
A3	Rogl P., Prof.	Rogl P., Prof.	I	Mo 11:30-12:00 am	Structural chemistry, constitution and properties of clathrates	Institut für Physikalische Chemie, Universität Wien	Austria
A5	Hébert S., Dr	Hébert S., Dr	I	Tu 8:30-9:00 am	Cobalt oxides as potential thermoelectric elements: the influence of the dimensionality	Laboratoire CRISMAT, UMR6508, ISMRA	France
A7	Chen Gang, Prof.	Chen Gang, Prof.	I	Th 9:30-10:00 am	Thermal conductivity reduction mechanisms in superlattices and their implications for nanostructured thermoelectric materials	Mechanical Engineering Department	USA
A7	Heremans J., Dr	Heremans J., Dr	I	Mo 12:00-12:30 pm	Review of thermoelectric and galvanomagnetic transport in bismuth nanowires	Delphi Research Labs	USA
A8	Caillat T., Dr	Caillat T., Dr	I	Mo 2:15-2:45 pm	Novel, high efficiency segmented thermoelectric unicouples for space and terrestrial applications	Jet Propulsion Laboratory, California Institute of Technology	USA
B1	Casian A., Prof.	Casian A., Prof.	I	Th 9:00-9:30 am	A possibility to realize a high thermoelectric figure of merit in quasi-one-dimensional organic crystals	Department of Computers, Informatics and Microelectronics, Technical University of Moldova	Moldova
B1	Goldsmid H.J., Prof.	Goldsmid H.J., Prof.	I	Mo 1:45-2:15 pm	Solid-state and vacuum thermoelements	School of Physics, University of New South Wales	Australia
B1	Redondo J.M., Prof.	Redondo J. M., Prof.	I	Th 8:30-9:00 am	Fractal aspects of magneto-thermo-electricity, towards generalised Onsager relations	Dept. Fisica Aplicada, Universitat Politécnica de Barcelona	Spain
B6	Semenyuk V.A., Dr	Semenyuk V.A., Dr	I	Tu 9:00-9:30 am	Advances in development of thermoelectric modules for cooling electro-optic components	Thermion Company, Odessa State Academy of refrigeration	Ukraine
B7	Nurnus J., Dr	Nurnus J., Dr	I	We 9:30-10:00 am	Thermoelectric micro devices: Interplay of highly effective thin film materials and technological compatibility	Fraunhofer Institute for Physical Measurement Techniques	Germany
A1	Morgunov I.V., Dr	Morgunov I.V., Dr	O	We 11:00-11:15 am	Original technologies for thermoelectric material mass production	Crystal Ltd.	Russia
A1	Sokolov O.B., Dr	Sokolov O.B., Dr	O	We 10:45-11:00 am	Doping wit organic halogen-containing compounds the Bi2-Te3-Bi2-Se3 solid solutions	Nord Specialized design-Technological bureau	Russia

A1	Thonhauser T., Dr	Thonhauser T., Dr	O	We 10:30-10:45 am	Influence of stress on the power factor of antimony telluride	Davey Laboratory, PMB 082, Department of Physics, Pennsylvania State University	USA
A1	Hino T., Dr	Hino T., Dr	P	P1-A1-8	Effect of manufacturing parameters on properties of thermoelectric module	Power & Industrial Systems R&D Center, Toshiba Corporation	Japan
A1	Morgunov I.V., Dr	Belov Yu.M., Dr	P	P1-A1-1	A texture formation of material based on compounds A2VB B3VIB during the growing process of crystals with assigned geometry by Bridgman technique	Crystal Co, Ltd	Russia
A1	Nikulina M. Yu., Dr	Zhitinskaya M. K., Dr	P	P1-A1-2	Positive role of Sn impurity on the thermoelectric properties of Bi2Te3-based single crystals	State Politechnical University	Russia
A1	Nozue H., Dr	Nozue H., Dr	P	P1-A1-5	The effect of various dopants on thermoelectric properties of $Bi_2(Te_{0.9}Se_{0.1})_3$ polycrystals	Refrigeration Research Laboratory Engineering Division, Matsushita Home Appliances Company, Matsushita Electric Industrial Co., Ltd.	Japan
A1	Plechacek T., Dr	Plechacek T., Dr	P	P1-A1-7	Some physical properties of Hf-doped-Sb_2Te_3 single crystals	Joint Laboratory of Solid State Chemistry of Institute of Macromolecular Chemistry	Czech Republic
A1	Rowe D.M., Prof.	Kuznetsov V.L., Dr	P	P1-A1-3	Optimisation of Bi2Te3-based materials for generation applications	Cardiff University, Division of Electronic Engineering	United Kingdom
A1	Svanda P., Dr	Lostak P., Prof.	P	P1-A1-6	Transport coefficients of titanium-doped Sb_2Te_3 crystals	Faculty of Chemical Technology, University of Pardubice	Czech Republic
A1	Xu Gui-Ying, Dr	Xu Gui-Ying, Dr	P	P1-A1-4	Thermoelectric properties on p-type $(Bi_xSb_{1-x})_2Te_3$ materials containing fullerite	Laboratory of Special Ceramics and Powder Metallurgy, University of Science and Technology Beijing	China
A2	Bauer E., Dr	Bauer E., Dr	O	Tu 3:15-3:30 pm	Ground state properties and thermoelectric behaviour of PrFe4-xTMxSb12-ySny (TM = Co, Ni)	Institute of Solid State Physics, Vienna University of Technology	Austria
A2	Bérardan D., Mr	Bérardan D., Mr	O	Tu 11:30-11:45 am	Thermoelectric properties of the new skutterudites $(Ce\text{-}Yb)_y(Fe\text{-}Co\text{-}Ni)_4Sb_{12}$	Laboratoire de Chimie Métallurgique des Terres-Rares, ISCSA-CNRS UPR209	France
A2	Bertini L., Dr	Bertini L., Dr	O	Tu 3:00-3:15 pm	Theoretical modeling of Te doped $CoSb_3$	Istituto di Scienze e Tecnologie Molecolari (ISTM)	Italy
A2	Christensen M., Mr	Iversen B.B., Dr	O	Tu 2:00-2:15 pm	Pitfalls in crystallographic analysis of doped skutterudite materials	Department of Chemistry, University of Aarhus	Denmark
A2	Girard L., Mr	Ravot D., Dr	O	Tu 2:15-2:30 pm	Neutron scattering studies on Ry (Fe,Ni)4Sb12 (with R=La or Ce)	Laboratoire de Physicochimie de la matière condensée, UMR 5617, CNRS, CC003, Université Montpellier II	France
A2	Kajitani T., Dr	Kajitani T., Dr	O	Tu 2:45-3:00 pm	Phonon DOS of filled skutterudite, Ba0.1CoSb3	Department of Applied Physics, Graduate School of Engineering, Tohoku University	Japan
A2	Platzek D., Dr	Williams S.G.K., Dr	O	Tu 10:30-10:45 am	Thermoelectric properties of nano-grained CoSb3 skutterudites doped with Ni and Te	NEDO Laboratory for Thermoelectric Engineering (NEDO)	United Kingdom
A2	Puyet M., Mr	Puyet M., Mr	O	Tu 11:00-11:15 am	Synthesis and thermoelectric properties of new partially filled CaxCo4Sb12 skutterudites	Laboratoire de Physique des Matériaux, Ecole Nationale Supérieure des Mines de Nancy	France
A2	Tobola J., Dr	Wojciechowski K., Dr	O	Tu 2:30-2:45 pm	Thermoelectric properties and electronic structure of Sn- and Te-doped CoSb3 skutterudites	Faculty of Materials Science and Ceramics, AGH University of Science and Technology	Poland
A2	Viennois R., Dr	Viennois R., Dr	O	Tu 11:15-11:30 am	Physical properties of the skutterudites $(Ce,La)Fe_{4-x}Ni_xSb_{12}$	Max-Planck-Institut für Chemische Physik fester Stoffe	Germany
A2	Xu Gui-Ying, Dr	Xu Gui-Ying, Dr	O	Tu 10:45-11:00 am	Thermoelectric properties of $M_yCo_{4-y}Sb_{12}$ (where M = Sm,Gd. Dy, and Er, y = 0.04-0.32) containing fullerite	Laboratory of Special Ceramics and Powder Metallurgy, University of Science and Technology Beijing	China
					Skutterudite structure and	Department of Materials Science	

A2	Hasaka M., Dr	Hasaka M., Dr	P	P2-A2-4	thermoelectric property in the Pr-Fe-Ni-Sb system	and Engineering, Faculty of Engineering, Nagasaki University	Japan
A2	Lemoigno F., Mr	Lemoigno F., Mr	P	P2-A2-5	Comparison between XANES experimental spectra and electronic structure calculations in the filled skutterudites (CeyFe4-xNixSb12)	Laboratoire de Structure et Dynamique des Systèmes Moléculaires et Solides, UMR 5636, Université de Montpellier 2	France
A2	Tang X.F., Prof.	Tang X.F., Prof.	P	P2-A2-3	Effect of filling atoms on lattice thermal conductivity of $Ln_yFe_xCo_{4-x}Sb_{12}$(Ln =Ce, Ba, Y)	State Key Laboratory of Advanced Technology for Materials Synthesis and Processing, Wuhan University of Technology	China
A2	Tang X.F., Prof.	Tang X.F., Prof.	P	P2-A2-2	Preparation and thermoelectric properties of $CoSb_3$ based nano-compound	State Key Laboratory of Advanced Technology for Materials Synthesis and Processing, Wuhan University of Technology	China
A2	Wojciechowski K., Dr	Wojciechowski K., Dr	P	P2-A2-1	Microstructure and transport properties of nanosized powders of CoSb3 obtained with spray pyrolysis method	Faculty of Materials Science and Ceramics, AGH University of Science and Technology	Poland
A3	Bentien A., Dr	Bentien A., Dr	O	We 3:45-4:00 pm	Transport properties of Eu containing clathrates	Max Planck Institute for Chemical Physics of Solids	Germany
A3	Saramat A., Mr	Palmqvist A., Dr	O	We 3:30-3:45 pm	Thermoelectric performance of large single crystal clathrate Ba8Ga16Ge30	Department of Materials and Surface Chemistry, Chalmers University of Technology	Sweden
A4	Chen H., Ms	Chen H., Ms	O	We 2:30-2:45 pm	Influence of nitriding on microstructures and thermoelectric properties of Al-doped iron disilicide materials	Department of Materials Science and Engineering, Zhejiang University	China
A4	Fedorov M.I., Dr	Fedorov M.I., Dr	O	We 2:15-2:30 pm	Kinetic properties of p-type Mg2Si1-xSnx solid solutions	A.F. Ioffe Physico-Technical Institute	Russia
A4	Sugihara S., Dr	Sugihara S., Dr	O	We 2:00-2:15 pm	Improvement of thermoelectricity of the oxide and electronic structures	Department of Materials Science and Engineering, Shonan Institute of Technology	Japan
A4	Fedorov M.I., Dr	Fedorov M.I., Dr	P	P1-A4-1	Features of conduction mechanism in n-type Mg2Si1-xSnx solid solutions	A.F. Ioffe Physico-Technical Institute	Russia
A4	Ivanenko L., Dr	Ivanenko L., Dr	P	P1-A4-5	Thermoelectric properties of Mn-doped Ru2Si3	Belarusian State University of Informatics and Radioelectronics	Belarus
A4	Morimura T., Dr	Morimura T., Dr	P	P1-A4-4	Thermoelectric property and microstructure of iron-silicide doped with Co and Ag	Department of Materials Science and Engineering, Faculty of Engineering, Nagasaki University	Japan
A4	Ur Soon-Chul, Prof.	Ur Soon-Chul, Prof.	P	P1-A4-3	Mechanical alloying and thermoelectric properties of the Co doped FeSi2	Department of Materials Science and Engineering, Nano Technology Laboratory, Chungju National University	Korea
A4	Xu Gui-Ying, Dr	Xu Gui-Ying, Dr	P	P1-A4-6	The effect of fullerite on the thermoelectric properties of n-type Si_xGe_{1-x}	Laboratory of Special Ceramics and Powder Metallurgy, University of Science and Technology Beijing	China
A4	Zhang L.M., Prof.	Wang C.B., Dr	P	P1-A4-2	Thermoelectric properties of Sb-doped Mg2Si by solid state reaction	State Key Lab of Advanced Technology for materials Synthesis and Processing, Wuhan University of Technology	P.R. China
A5	Funahashi R., Dr	Funahashi R., Dr	O	Tu 12:30-12:45 pm	Thermoelectric properties of Ln-Ni-O (Ln : lanthanoid) systems	National Institute of Advanced Industrial Science and Technology	Japan
A5	Hejtmanek J., Dr	Hejtmanek J., Dr	O	We 11:30-11:45 am	Search for high temperature p-type thermoelectrics: cobalt oxides	Institute of Physics of ASCR	Czech Republic
A5	Itahara H., Dr	Itahara H., Dr	O	We 11:15-11:30 am	Synthesis of textured thermoelectric layered cobaltites by reactive templated grain growth	Toyota Central Research and Development Labs Inc.	Japan
A5	Malochkin O., Dr	Koumoto K., Prof;	O	Tu 11:45-12:00 am	Single crystal growth of homologous compounds in the ZnO-In2O3 system and their thermoelectric properties	Department of Applied Physics, Graduate School of Engineering, Nagoya University	Japan
						CREST, Japan Science and	

A5	Mikami M., Dr	Mikami M., Dr	O	We 12:00-12:15 pm	High temperature thermoelectric properties of Ca3Co2O6 single crystals	Technology Corporation, National Institute of Advanced Industrial Science and Technology, Special Division of Green Life Technology	Japan
A5	Miyazaki Y., Dr	Miyazaki Y., Dr	O	We 12:15-12:30 pm	Effect of 3d-transition metal substitution on the thermoelectric properties of the misfit-layered cobalt oxide $[Ca_2CoO_3]_pCoO_2$	Department of Applied Physics, Graduate School of Engineering, Tohoku University	Japan
A5	Moyer J., Mr	Ohuchi F.S., Dr	O	Tu 12:15-12:30 pm	Advantageous power factor anomaly in Mn1.68-XCu.6+X+Y+ZCo.24-YNi.48-ZO4 thin films	Department of Materials Science and Engineering,, University of Washington	USA
A5	Ohtaki M., Dr	Ohtaki M., Dr	O	Tu 12:00-12:15 pm	Thermoelectric properties of Al-doped ZnO sintered with nanosized void forming agents	Department of Molecular and Material Sciences, Interdisciplinary Graduate School of Engineering Sciences, Kyushu University	Japan
A5	Taskin A.A., Dr	Taskin A.A., Dr	O	We 11:45-12:00 am	Origin of large thermoelectric power in oxygen deficient GdBaCo2O5+x	Central Research Institute of Electric Power Industry, Electrical Physics Department	Japan
A5	Terasaki I., Prof.	Terasaki I., Prof.	O	We 12:30-12:45 pm	Magneto-thermoelectric effects of the layered cobalt oxides	Department of Applid Physics, Waseda University	Japan
A5	Fujishiro H., Dr	Fujishiro H., Dr	P	P2-A5-8	Enhancement of thermoelectric properties of La1-XAEXCoO3 at X~0.10 (AE=Ba, Sr, Ca)	Faculty of Engineering, Iwate University	Japan
A5	Horii S., Dr	Horii S., Dr	P	P2-A5-9	Thermoelectric properties of grain-aligned Ca-based cobaltites by a magneto-scientific method	Department of Superconductivity,School of Engineering,University of Tokyo	Japan
A5	Itahara H., Dr	Itahara H., Dr	P	P2-A5-1	Highly textured NaxCoO2-d ceramics fabricated by the templated grain growth method	Toyota Central Research and Development Labs Inc.	Japan
A5	Itahara H., Dr	Itahara H., Dr	P	P2-A5-2	Fabrication of textured thermoelectric layered cobaltites with various rocksalt-type subsystems	Toyota Central Research and Development Labs Inc.	Japan
A5	Itahara H., Dr	Sugiyama J., Dr	P	P2-A5-3	A common behavior of thermoelectric layered cobaltites: an incommensurate spin density wave state detected by muon spin rotation and relaxation	Toyota Central Research and Development Labs Inc.	Japan
A5	Koumoto K., Prof.	Koumoto K., Prof.	P	P2-A5-12	Thermoelectric properties of single-crystalline thin films of ITO and series $(ZnO)_mIn_2O_3$ grown by reactive solid-phase epitaxy	Department of Applied Chemistry, Graduate School of Engineering	Japan
A5	Koumoto K., Prof.	Koumoto K., Prof.	P	P2-A5-11	Exfoliation of layered-structured oxide Na_xCoO_2 and its nano-block integration	Department of Applied Chemistry, Graduate School of Engineering	Japan
A5	Mrotzek A., Dr	Mrotzek A., Dr	P	P2-A5-4	Influence of partial substitution of Co by Pb on the microstructure and thermoelectric properties of Na*x*Co1-yPbyO2	German Aerospace Center (DLR), Institute of Materials Research	Germany
A5	Muchilo D., Mr	Muchilo D., Mr	P	P2-A5-10	Developing mechanical and chemical stable contacts for thermoelectric oxide materials	German Aerospace Center, Institute of Materials Research	Germany
A5	Nagasawa K., Mr	Nakatsugawa H., Dr	P	P2-A5-5	Crystal structure, electric and magnetic properties in Na_xCoO_2	Division of Materials Science and Engineering, Graduate School of Engineering, Yokohama National University	Japan
A5	Nakada Y., Mr	Ozaki H., Prof.	P	P2-A5-7	Effects of Mn and/or Ni substitutions for Fe on thermoelectric properties of magnetite prepared by sintering	Department of Electrical Engineering and Bioscience, Waseda University	Japan
A5	Ohtaki M., Dr	Ohtaki M., Dr	P	P2-A5-6	Sintering process and nonstoichiometry of $NaCo_2O_4$ layered thermoelectric oxide	Department of Molecular and Material Sciences, Interdisciplinary Graduate School of Engineering Sciences, Kyushu University	Japan

A6	Itoh M., Dr	Itoh M., Dr	O	We 3:15-3:30 pm	Thermoelectric effect of Bi-Sb as strongly degenerate semiconductors	Department of Materials Science, Faculty of Science & Engineering, Shimane University	Japan
A6	Nagata T., Mr	Nagata T., Mr	O	Tu 4:00-4:15 pm	Thermoelectric properties of Al-Pd-Re(-Ru) icosahedral quasicrystals	Department of Materials Science, The University of Tokyo	Japan
A6	Ohta Y., Dr	Ohta Y., Dr	O	Tu 4:45-5:00 pm	Thermoelectric properties of Mo_6Se_8-based Chevrel phase with semiconducting properties	Japan Ultra-high Temperature Materials Research Institute	Japan
A6	Rogacheva E.I., Prof.	Rogacheva E.I., Prof.	O	We 2:45-3:00 pm	The optimization of thermoelectric parameters when introducing impurities with variable valence	National Technical University, “Kharkov Polytechnic Institute”	Ukraine
A6	Rowe D.M., Prof.	Kuznetsov V.L., Dr	O	Tu 4:30-4:45 pm	Thermoelectric properties of a novel ß-Zn4Sb3-based solid solution	Cardiff University, Division of Electronic Engineering	United Kingdom
A6	Sharp J.M., Dr	Sharp J.M., Dr	O	We 3:00-3:15 pm	GeTe-based thermoelectric materials	Marlow Industries, Inc.	USA
A6	Takeda M., Dr	Takeda M., Dr	O	Tu 5:00-5:15 pm	Thermoelectric properties of divalent hexaborides	Department of Mechanical Engineering, Nagaoka University of Technology	Japan
A6	Ur Soon-Chul, Prof.	Ur Soon-Chul, Prof.	O	Tu 4:15-4:30 pm	Direct synthesis by hot pressing and thermoelectric properties of Zn4Sb3	Department of Materials Science and Engineering, Nano Technology Laboratory, Chungju National University	Korea
A6	Fedorov M.I., Dr	Fedorov M.I., Dr	P	P1-A6-1	Thermoelectrical figure of merit of PbTe-based solid solutions with phonon scattering by off-center impurities	A.F. Ioffe Physico-Technical Institute	Russia
A6	Gao X., Dr	Tse J., Dr	P	P1-A6-9	Exploratory study of doped polymers as potential high thermopower materials	Steacie Institute for Molecular Sciences, National Research Council of Canada	Canada
A6	Imai Y., Dr	Imai Y., Dr	P	P1-A6-11	Consideration on the applicability of the intermetallic compounds with a large coordination number as thermoelectric materials on the basis of the calculated electronic densities of states	National Institute of Advanced Industrial Science and Technology, Japan, AIST Tsukuba Central 5	Japan
A6	Ishikawa Y., Mr	Ishikawa Y., Mr	P	P1-A6-6	Seebeck coefficient and resistivity measurement of polycrystal Bi in a magnetic field	Graduate School of Science and Engineering, Saitama University	Japan
A6	Kajikawa T., Prof.	Kajikawa T., Prof.	P	P1-A6-12	Thermoelectric properties of intermetallic compounds: Mg3Bi2 and Mg3Sb2 for medium temperature range thermoelectric elements	Shonan Institute of Technology	Japan
A6	Kim Hongki, Dr	Kim Hongki, Dr	P	P1-A6-16	Thermoelectric properties from 353K to 1073K for metal-doped b-rhombohedral boron	Department of Advanced Materials Science, The University of Tokyo	Japan
A6	Kim Il-Ho, Prof.	Kim Il-Ho, Prof.	P	P1-A6-3	Thermoelectric properties of Zn4Sb3 prepared by mechanical alloying	Department of Materials Science and Engineering, Nano Technology Laboratory, Chungju National University	Korea
A6	Kitagawa H., Dr	Kitagawa H., Dr	P	P1-A6-7	Thermoelectric properties of semiconducting Bi-rich Bi-Sb alloys	Department of Materials Science, Faculty of Science & Engineering, Shimane University	Japan
A6	Lee Y.H., Dr	Lee Y.H., Dr	P	P1-A6-8	Thermoelectric properties of Bi-Sb alloys prepared by plasticity processing	Researcc Division, Komatsu Ltd.	Japan
A6	Ohta M., Dr	Ohta M., Dr	P	P1-A6-15	Influence of phase on thermoelectric properties in lanthanum sesquisulfide doped with Ti	Department of Materials Science and Engineering, Muroran Institute of Technology	Japan
A6	Pécheur P., Prof.	Pécheur P., Prof.	P	P1-A6-13	Electronic structure of Zintl phase compounds of the Y3Au3Sb4 type	Laboratoire de Physique des Matériaux, Ecole Nationale Supérieure des Mines de Nancy	France
						Institute of Multidisciplinary	

A6	Shinohara Y., Prof.	Shinohara Y., Prof.	P	P1-A6-10	Problems of conductive polymers as thermoelectric materials	Research for Advanced Materials, Tohoku University	Japan
A6	Shutoh N., Dr	Shutoh N., Dr	P	P1-A6-14	Thermoelectric properties of TiX (Zr0.5Hf0.5)1-XNiSn Half-Heusler compounds	Power Supply Materials & Device Laboratory, Corporate Research and Development Center, Toshiba Corporation	Japan
A6	Souma T., Dr	Souma T., Dr	P	P1-A6-5	Synchrotron-radiation X-ray powder diffraction study of alpha- and beta-Zn_4Sb_3 compounds	Kurisu Laboratory, School of Materials Science, Japan Advanced Institute of Science and Technology	Japan
A6	Souma T., Dr	Souma T., Dr	P	P1-A6-4	Low-temperature transport properties of alpha- and beta-Zn_4Sb_3 compounds prepared by a gradient freeze and a spark plasma sintering methods	Kurisu Laboratory, School of Materials Science, Japan Advanced Institute of Science and Technology	Japan
A7	Bulat L.P., Prof.	Bulat L.P., Prof.	O	Th 12:15-12:30 pm	Nonlinear anisotropic thermoelectric energy converter based on semiconductors films	St Petersburg State University of Refrigeration and Food Engineering	Russia
A7	Huber T.E., Dr	Huber T.E., Dr	O	Th 11:30-11-45 am	Thermoelectric power of a network of 6-nm Bi nanowires in a porous Vycor glass matrix	Howard University	USA
A7	Kantser V., Prof.	Kantser V., Prof.	O	Th 11:00-11:15 am	Electric field effect on thermopower in cylindrical microwires	LISES Institute of Applied Physics Academy of Sciences of Moldova	Moldova
A7	Mallik C., Dr	Damodora Das V., Prof	O	Th 11:45-12:00 am	Growth of thermoelectric Bi85Sb15 alloy thin films and their characterization by XRD,TEM & RBS	Thin Film Laboratory, Department of Physics, Indian Institute of Technology	India
A7	Rogacheva E.I., Prof.	Rogacheva E.I., Prof.	O	Th 10:45-11:00 am	Oscillations in the thickness dependences of the Seebeck coefficient in SnTe thin films	National Technical University, “Kharkov Polytechnic Institute”	Ukraine
A7	Vedernikov M.V., Dr	Vedernikov M.V., Dr	O	Th 11:15-11:30 am	Thermoelectric properties of semiconductor quantum wires	Laboratory of Physics of Thermoelements, A.F. Ioffe Physical-Technical Institute	Russia
A7	Zeipl, Mr	Zeipl, Mr	O	Th 10:30-10-45 am	Bi2Te3 layers prepared by laser ablation	Institute of Radio Engineering and Electronics, Academy of Sciences of the Czech Republic	Czech Republic
A7	Zhu P., Dr	Zhu P., Dr	O	Th 12:00-12:15 pm	Investigation on the assessment of nano-block integration process for novel thermoelectric materials	Koumoto Lab., Department of Applied Chemistry, Graduate School of Engineering, Nagoya University	Japan
A7	Balandin A.A., Prof.	Balandin A.A., Prof.	P	P2-A7-10	Phonon stop band materials	Nano-Device Laboratory, Department of Electrical Engineering, University of California-Riverside	USA
A7	Bodiul P., Dr	Botnari O., Dr	P	P2-A7-20	Thermoelectric properties of glassed Bi1-xSbx wires doped with Sn and Te under elastic stretch	Institute of Applied Physics	Moldova
A7	Dauscher A., Dr	Dauscher A., Dr	P	P2-A7-9	Transport properties of Bi(Te)-PbTe thin films composites	Laboratoire de Physique des Matériaux, UMR7556, ENSMN	France
A7	Ferrer I., Dr	Ferrer I., Dr	P	P2-A7-1	Thermoelectric figure of merit of M-sulphides (M=Fe, Pd, Ti…) thin films	Dpto. de Fisica de Materiales, C-IV, Universidad Autonoma de Madrid	Spain
A7	Gitsu D., Dr	Nikolaeva A., Dr	P	P2-A7-18	Magneto-thermoelectric properties of bismuth quantum wires at elastic stretch	Institute of Applied Physics	Moldova
A7	Grozav A.D., Dr	Grozav A.D., Dr	P	P2-A7-19	Thermopower of pure bismuth wires in high magnetic fields	Laboratory of Semimetal Physics, Institute of Applied Physics	Moldova
A7	Huber T.E., Dr	Huber T.E., Dr	P	P2-A7-8	Microengineered Bi2 Te3 composites for room temperature thermoelectric applications	Howard University	USA
		Yamaguchi S.,			Thermoelectric properties and thermal diffusivity of III-nitrides and III-oxynitrides thin films prepared by reactive radio-frequency	Department of Electrical, Electronic and Information Engineering,	

A7	Izaki R., Mr	Dr	P	P2-A7-2	sputtering	Kanagawa University	Japan
A7	Kamata K., Mr	Kamata K., Mr	P	P2-A7-6	Effect of Ar plasma distribution in RF-magnetron-sputtering on crystallinity and thermoelectric properties of $FeSi_{2+x}$ films	Ozaki Lab, Department of Electrical Engineering and Bioscience, Waseda University	Japan
A7	Kamilov T.S., Dr	Kamilov T.S., Dr	P	P2-A7-3	Development of thermoelectric detectors on based higher manganese silicide (HMS) films	Department of Physics and Chemistry, Tashkent State Aviation Institute	Uzbekistan
A7	Kamilov T.S., Dr	Kamilov T.S., Dr	P	P2-A7-4	Role of the silicon oxide in process of the formation of higher manganese silicide films	Department of Physics and Chemistry, Tashkent State Aviation Institute	Uzbekistan
A7	Kamilov T.S., Dr	Karazhanov S. Zh., Dr	P	P2-A7-5	Improvement of thermoelectric properties of MnSi thermodetectors by ultrasound processing	Physical-Technical Institute	Uzbekistan
A7	Konopko L., Dr	Konopko L., Dr	P	P2-A7-17	Temperature dependencies of the Seebeck coefficients under electric field effect conditions in thin Bi and Bi-alloys wires	Institute of Applied Physics, Academy of Sciences of Moldova	Moldova
A7	Morgunov I.V., Dr	Manyakin S.M., Dr	P	P2-A7-11	Thermal stability of the thermoelements based on Bi2Te3-Sb2Te3 with multi-layer coating obtained by technique of electron-beam evaporation and condensation of metals in vacuum	CRYSTAL Co., LTD	Russia
A7	Nikolaeva A., Dr	Nikolaeva A., Dr	P	P2-A7-16	Thickness dependences of the thermoelectric properties of Sn-doped single crystal Bi wires	Institute of Applied Physics	Moldova
A7	Rogacheva E.I., Prof.	Rogacheva E.I., Prof.	P	P2-A7-12	Thickness dependences of thermoelectric properties of PbTe/SnTe/PbTe heterostructures	National Technical University, “Kharkov Polytechnic Institute”	Ukraine
A7	Sur I, Dr	Sur I., Dr	P	P2-A7-13	Thermoelectric properties of *p*-type PbTe/PbEuTe quantum well structures	Department of Computers, Informatics and Microelectronics, Technical University of Moldova	Moldova
A7	Takashiri M., Dr	Takashiri M., Dr	P	P2-A7-7	Transport properties of polycrystalline SiGe thin film for micro power generators	Mechanical Engineering Department	USA
A7	Wang W., Prof.	Wang W., Prof.	P	P2-A7-14	Preparation and characterization of n-type Bi2Te3 thermoelectric nanowire array	Department of Applied Chemistry, School of Chemical Engineering and Technology, Tianjin University	P.R. China
A7	Wang W., Prof.	Wang W., Prof.	P	P2-A7-15	Electrochemical organized p-type Bi2Te3 thermoelectric nanowire array	Department of Applied Chemistry, School of Chemical Engineering and Technology, Tianjin University	P.R. China
A8	Dashevsky Z., Prof.	Dashevsky Z., Prof.	O	Mo 3:00-3:15 pm	Optimization of thermoelectric efficiency in graded materials	Department of Materials Engineering, Ben-Gurion University	Israel
A8	El-Genk M., Prof.	El-Genk M., Prof.	O	Mo 2:45-3:00 pm	Life test of skutterudite thermoelectric unicouple	Institute for Space and Nuclear Power Studies and Department of Chemical and Nuclear Engineering, The university of New Mexico	USA
A8	Anatychuk L.I., Dr	Anatychuk L.I., Dr	P	P1-A8-1	Physics and design methods of FGTM	Institute of Thermoelectricity, National Academy of Sciences and Ministry of Education and Science	Ukraine
A8	Kubo M., Dr	Kubo M., Dr	P	P1-A8-2	Fabrication of layered p-type AgSbTe2 - (Bi,Sb)2Te3 thermoelectric module and its performances	Research Center for Advanced energy conversion, Nagoya University	Japan
A8	Tang X.F., Prof.	Tang X.F., Prof.	P	P1-A8-3	Preparation and thermoelectric properties of $Bi_2Te_3/CoSb_3$ based graded material	State Key Laboratory of Advanced Technology for Materials Synthesis and Processing, Wuhan University of Technology	China
B1	Anatychuk L.I., Dr	Anatychuk L.I., Dr	O	Tu 4:45-5:00 pm	The law of thermoelectric induction and its application for expanding the opportunities of thermoelectricity	Institute of Thermoelectricity, National Academy of Sciences and Ministry of Education and Science	Ukraine
						Nano-Device Laboratory,	

B1	Balandin A.A., Prof.	Balandin A.A., Prof.	O	Tu 4:15-4:30 pm	Modeling-based optimization of thermoelectric nanostructures	Department of Electrical Engineering, University of California-Riverside	USA
B1	Coqblin B., Prof.	Coqblin B., Prof.	O	Tu 4:45-5:00 pm	A theoretical study of the thermoelectric power in heavy fermion system	Laboratoire de Physique des Solides (UMR 8502)	France
B1	Dashevsky Z., Prof.	Dashevsky Z., Prof.	O	Tu 4:00-4:15 pm	Photo-thermovoltaic effect induced by CO2 laser illumination of PbTe crystals	Department of Materials Engineering, Ben-Gurion University	Israel
B1	Diduck Q., Mr	Diduck Q., Mr	O	Mo 3:45-4:00 pm	The viability of thermal energy conversion utilizing black body radiation	Department of Electrical and Computer Engineering	USA
B1	Fedorov M.I., Dr	Fedorov M.I., Dr	O	Mo 3:30-3:45 pm	Thermal conductivity of materials with complex crystal structure	A.F. Ioffe Physico-Technical Institute	Russia
B1	Gurevich, Y., Dr	Logvinov G., Dr	O	Tu 4:30-4:45 pm	Non equilibrium carriers of charge in theory of thermoelectric phenomena	SEPI-ESIME Culhuacan, Instituto Politécnico Nacional	México
B1	Logvinov G., Dr	Logvinov G., Dr	O	Mo 4:00-4:15 pm	Upper value of thermoelectric figure of merit for isotropic semiconductors	SEPI-ESIME Culhuacan, Instituto Politécnico Nacional	México
B1	Snyder G.J., Dr	Snyder G.J., Dr	O	Mo 3:15-3:30 pm	Thermoelectric efficiency and compatibility	Jet Propulsion Laboratory, California Institute of Technology	USA
B1	Anatychuk L.I., Dr	Anatychuk L.I., Dr	P	P2-B1-1	Particularly sensitive thermoelectric microcalorimeters with Eddy thermoelements	Institute of Thermoelectricity, National Academy of Sciences and Ministry of Education and Science	Ukraine
B1	Anatychuk L.I., Dr	Anatychuk L.I., Dr	P	P2-B1-2	On the properties of permeable thermoelements	Institute of Thermoelectricity, National Academy of Sciences and Ministry of Education and Science	Ukraine
B1	Anatychuk L.I., Dr	Anatychuk L.I., Dr	P	P2-B1-3	Gyrotropic spiral thermoelement	Institute of Thermoelectricity, National Academy of Sciences and Ministry of Education and Science	Ukraine
B1	Anatychuk L.I., Dr	Anatychuk L.I., Dr	P	P2-B1-4	Spiral zone-inhomogeneous thermoelements	Institute of Thermoelectricity, National Academy of Sciences and Ministry of Education and Science	Ukraine
B1	Anatychuk L.I., Dr	Anatychuk L.I., Dr	P	P2-B1-5	Generalized thermoelectric Thomson relationships	Institute of Thermoelectricity, National Academy of Sciences and Ministry of Education and Science	Ukraine
B1	Anatychuk L.I., Dr	Anatychuk L.I., Dr	P	P2-B1-6	Thermoelements with lateral heat exchange	Institute of Thermoelectricity, National Academy of Sciences and Ministry of Education and Science	Ukraine
B1	Fedorov M.I., Dr	Fedorov M.I., Dr	P	P2-B1-7	Quantum limit of the thermoelectric efficiency of heterogeneous media at low temperatures	A.F. Ioffe Physico-Technical Institute	Russia
B1	Komine T., Dr	Komine T., Dr	P	P2-B1-8	Numerical analysis of thermoelectric properties of bismuth under a magnetic field	Department of Media and Telecommunications Engineering, Faculty of Engineering, Ibaraki University	Japan
B2	Dilhaire S., Dr	Dilhaire S., Dr	O	Tu11:30-11:45 am	Thermoelectrical properties deterrmination by laser stimulated Seebeck effect	CPMOH – University of Bordeaux	France
B2	Ghoshal U., Dr	Ghoshal U., Dr	O	Tu 12:15-12:30 pm	Differential resistance methods for characterizing figure of merit of microcoolers	NanoCoolers, Inc	USA
B2	Rauscher L., Dr	Rauscher L., Dr	O	Tu 12:00-12:15 pm	New approaches for highly accurate efficiency determination of thermoelectric generator modules	Komatsu Ltd., Electronic Material Research Dept., Research Center, Research Division	Japan
B2	Wang W., Prof.	Wang W., Prof.	O	Tu 12:30-12:45 pm	Performance measuring technology for thermoelectric nanowire array	Department of Applied Chemistry, School of Chemical Engineering and Technology, Tianjin University	P.R. China
B2	Yershova L.B., Dr	Yershova L.B., Dr	O	Tu 11:45-12:00 am	Complex express TEC testing	RMT Ltd	Russia
					Thermal and thermomechanical study of micro-refrigerators on a		

B2	Dilhaire S., Dr	Dilhaire S., Dr	P	P2-B2-1	chip based on semiconductor heterostructures	CPMOH – University of Bordeaux	France
B2	Mitrani D., Mr	Mitrani D., Mr	P	P2-B2-2	Dynamic measurement system of thermoelectric module parameter	Sensor Systems Group, Electrical engineering department, universitat Politecnica de Catalunya	Spain
B2	Platzek D., Dr	Platzek D., Dr	P	P2-B2-3	An automated microprobe for temperature dependent spatial scanning of the Seebeck coefficient	German Aerospace Center, Institute of Materials Research	Germany
B2	Redondo J.M., Prof.	Redondo J.M., Prof.	P	P2-B2-4	Measurements of anisotropy, thermoelectric behaviour and multi-fractal aspects of FeSi and of complex custom made TE materials	Dept. Fisica Aplicada, Universitat Politécnica de Barcelona	Spain
B2	Rowe D.M., Prof.	Williams S.G.K., Dr	P	P2-B2-5	Standardisation in thermoelectric transport properties measurements - The Cardiff NEDO laboratories and DLR Cologne program	NEDO Laboratory for Thermoelectric Engineering (NEDO)	United Kingdom
B2	Suzuki A., Dr	Suzuki A., Dr	P	P2-B2-6	Investigation on binder for thermoelectric module	Northern Laboratory, Saitama Industrial Technology Center	Japan
B3	Allen D., Dr	Elsner N., Dr	O	Tu 3:15-3:30 pm	Power conversion modules utilizing quantum well thermoelectric materials	Hi-Z Technology, Inc.	USA
B3	Bell L.E., Dr	Bell L.E., Dr	O	Tu 2:45-3:00 pm	Alternate thermoelectric power generation thermodynamic cycles with improved efficiencies	BSST, LLC	USA
B3	Chu R.C., Dr	Chu R.C., Dr	O	Tu 2:00-2:15 pm	Thermoelectric generator utilizing boiling and condensation (experiment and modeling)	Technology Research Center, Research Division, Komatsu Ltd.	Japan
B3	Elsner N., Dr	Elsner N., Dr	O	Tu 3:00-3:15 pm	Thermoelectric generators for defense applications	Hi-Z Technology, Inc.	USA
B3	Hagelstein P.L., Prof.	Hagelstein P.L., Prof.	O	Tu 2:30-2:45 pm	A theoretical explanation for the enhanced operation of the thermal diode	Research Laboratory of Electronics, Massachusetts Institute of Technology	USA
B3	Suzuki R.O., Dr	Suzuki R.O., Dr	O	Tu 2:15-2:30 pm	Mathematical simulation of thermoelectric power generation with the multi-flat-panels	Department of Energy Science and Technology, Kyoto University,	Japan
B3	Hamabe M., Dr	Hamabe M., Dr	P	P1-B3-1	Magnetic field effect for improvement of thermoelectric conversion: a proposal for Nernst-Seebeck element	Chubu University	Japan
B3	Nagayosi H., Dr	Nagayosi H., Dr	P	P1-B3-2	Thermoelectric power generation systems installed DC power bus system	Tokyo National College of Technology	Japan
B4	Diller R., Dr	Diller R., Dr	O	We 2:00-2:15 pm	Experimental results confirming improved efficiency of thermoelectric power generation systems with alternate thermodynamic cycles	BSST, LLC	USA
B4	Eakburanawat J., Mr	Eakburanawat J., Mr	O	We 2:45-3:00 pm	Solar-biomass thermoelectric power generation simulation	Building Scientific Research Center, King Mongkut's University of Technology Thonburi	Thailand
B4	Khedari J., Prof.	Khedari J., Prof.	O	We 2:15-2:30 pm	Experimental investigation on generated power of thermoelectric roof solar collector	Building Scientific Research Center (BSRC), King Mongkut's University of Technology Thonburi	Thailand
B4	Kucherov Y., Dr	Hagelstein P.L., Prof.	O	We 2:30-2:45 pm	Study of emitter structures for InSb thermal diodes	Research Laboratory of Electronics, Massachusetts Institute of Technology	USA
B4	Ottarsson G.K., Mr	Ottarsson G.K., Mr	O	We 3:00-3:15 pm	A ladder thermoelectric parellepiped generator	Pro%Nil Systems	Iceland
B4	Vasquez J., Mr	Palacios R., Dr	O	We 3:15-3:30 pm	Test bench for measuring the electric properties of commercial thermoelectric modules	Universidad Pontificia Comillas, Escuela Técnica Superior de Ingeniería, Instituto de Investigación Tecnológica	Spain
					Particularly reliable thermoelectric		

B4	Anatychuk L.I., Dr	Anatychuk L.I., Dr	P	P1-B4-1	microbatteries for generators with isotopic heat source based on Pu238	Institute of Thermoelectricity, National Academy of Sciences and Ministry of Education and Science	Ukraine
B4	Anatychuk L.I., Dr	Anatychuk L.I., Dr	P	P1-B4-2	Thermal generators using thermal flows in soils	Institute of Thermoelectricity, National Academy of Sciences and Ministry of Education and Science	Ukraine
B4	Anatychuk L.I., Dr	Anatychuk L.I., Dr	P	P1-B4-3	Theory, computer design and development of thermoelectric generators with catalytic heat sources	Institute of Thermoelectricity, National Academy of Sciences and Ministry of Education and Science	Ukraine
B4	Anatychuk L.I., Dr	Anatychuk L.I., Dr	P	P1-B4-4	Film thermoelectric batteries for thermal generators	Institute of Thermoelectricity, National Academy of Sciences and Ministry of Education and Science	Ukraine
B4	Hori Y., Dr	Hori Y., Dr	P	P1-B4-5	Fabrication of Bi-Te/Pb-Te cascade type thermoelectric module and evaluation of electrical performance	Central Research Institute of Electric Power Industry	Japan
B4	Kucherov Y., Dr	Hagelstein P.L., Prof.	P	P1-B4-6	Multi-plate energy converters	Research Laboratory of Electronics, Massachusetts Institute of Technology	USA
B4	Ottarsson G.K., Mr	Ottarsson G.K., Mr	P	P1-B4-8	A relativistic thermoelectromagnetic theory	Pro%Nil Systems	Iceland
B4	Varlamov S.A., Mr	Varlamov S.A., Mr	P	P1-B4-7	Cylinder thermo-generator elements	RIF Corporation	Russia
B5	Chimchavee W., Dr	Chimchavee W., Dr	O	Tu 10:45-11:00 am	Analysis of sine wave temperature generating using by thermoelectric heat source	Electrical Engineering Department, School of Engineering, The University of the Thai Chamber of Commerce	Thailand
B5	Codecasa M.P., Dr	Codecasa M.P., Dr	O	Tu 11:00-11:15 am	Optimization of a new thermoelectric cooling assembly using cfd analyses and local modeling of Peltier effect	PELTECH S.r.l.	Italy
B5	Lin S., Dr	Lin s., Dr	O	Tu 11:15-11:30 am	Strategies of simulating cooling systems with heat pipes and TEC devices	Thermacore Europe	United Kingdom
B5	Vian J.G., Dr	Vian J.G., Dr	O	Tu 10:30-10:45 am	Development of a heat exchanger device for the cold face of peltier pellets	Universidad Pública de Navarra	Spain
B5	Anatychuk L.I., Dr	Anatychuk L.I., Dr	P	P1-B5-1	Studying stresses in thermoelectric cooling modules for improving their cyclic stability	Institute of Thermoelectricity, National Academy of Sciences and Ministry of Education and Science	Ukraine
B5	Khedari J., Prof.	Khedari J., Prof	P	P1-B5-2	A computer tool for designing solar-thermoelectric power generation system	Building Scientific Research Center (BSRC), King Mongkut's University of Technology Thonburi	Thailand
B5	Vian J.G., Dr	Vian J.G., Dr	P	P1-B5-3	Application of the thermoelectricity and the photovoltaic energy to the air conditioning	Universidad Pública de Navarra	Spain
B5	Woo B.C., Dr	Woo B.C., Dr	P	P1-B5-4	Characteristic of module failure on thermoelectric generator with constrained al heat sink	Advanced Materials & Application Research Laboratory, Korea Electrotechnology Research Institute	Korea
B6	Anatychuk L.I., Dr	Anatychuk L.I., Dr	P	P1-B6-5	Thermoelectric “liquid-liquid” systems	Institute of Thermoelectricity, National Academy of Sciences and Ministry of Education and Science	Ukraine
B6	Anatychuk L.I., Dr	Anatychuk L.I., Dr	P	P1-B6-6	Thermoelectric “liquid-liquid” systems for providing cosmonauts with potable water	Institute of Thermoelectricity, National Academy of Sciences and Ministry of Education and Science	Ukraine
B6	Bulat L.P., Prof.	Bulat L.P., Prof.	P	P1-B6-7	Personal thermoelectric air-conditioning for comfort setting in transport facilities	St Petersburg State University of Refrigeration and Food Engineering	Russia
B6	Bulat L.P., Prof.	Bulat L.P., Prof.	P	P1-B6-4	Thermoelectric cooling-heating unit for thermostatic body of pickup refrigerated trucks	St Petersburg State University of Refrigeration and Food Engineering	Russia
					Micro-fabrication of Bi2Te3 by	Department of Biological Functions and Engineering, Kyushu Institute	

B6	Miyazaki K., Dr	Miyazaki K., Dr	P	P1-B6-2	using micro-jet	of Technology	Japan
B6	Sasaki K., Dr	Sasaki K., Dr	P	P1-B6-1	Enhancement of energy use efficiency by simultaneous use of cooling and heating action in thermoelectric conversion	Power & Industrial Systems R&D Center, Toshiba Corporation	Japan
B6	Zhang J., Prof.	Zhang J., Prof	P	P1-B6-3	Peltier temperature controlling box for test of circuit board	Tianjin institute of Power Sources	China
B7	Böttner H., Dr	Böttner H., Dr	O	We 11:15-11:30 am	Nanocalorimetric devices with thermoelectric PECVD p-$Si_{1-x}Ge_x$ thin film layers for the analysis of biological phase transitions	Fraunhofer Institute for Physical Measurement Techniques	Germany
B7	Boulanger C., Prof.	Boulanger C., Prof.	O	We 10:45-11:00 am	A technology for a device protyping based on electrodeposited thermoelectric V-VI layers	Laboratoire d'Electrochimie des Matériaux, UMR 7555, Université de Metz	France
B7	da Silva L.W., Dr	Kaviany M., Dr	O	We 11:00-11:15 am	Micro thermoelectric cooler fabrication: growth and characterization of patterned Sb2Te3 and Bi2Te3 films	Department of Mechanical Engineering, University of Michigan, Ann Arbor	USA
B7	Ghamaty S., Dr	Elsner N., Dr	O	We 12:00-12:15 pm	Thermoelectric QW device	Hi-Z Technology, Inc.	USA
B7	Miyazaki K., Dr	Miyazaki K., Dr	O	We 11:30-11:45 am	Fabrication of micro thin film thermocouples	Department of Biological Functions and Engineering, Kyushu Institute of Technology	Japan
B7	Schumann J., Dr	Schumann J., Dr	O	We 11:45-12:00 am	Micromachined thermoelectric test device based on silicon/germanium superlattices: Simulation, preparation and characterization of thermoelectric behavior	Leibniz-Institute for Solid State and Materials Research Dresden	Germany
B7	Wang W., Prof.	Wang W., Prof.	O	We 12:15-12:30 pm	A new type micro-thermoelectric power generator fabricated by nanowire array themoelecrtric material	Department of Applied Chemistry, School of Chemical Engineering and Technology, Tianjin University	P.R. China