

Oral Session

Keynote/Invited	Presentation NO	Presentation date	Time to start	Time to finish	Account: First name	Account: Middle name	Account: FAMILY NAME	Account: Affiliation	Abstract title
Chairpersons: Prof. Hiroshi NAKATSUGAWA(Yokohama National University)									
Invited	A-4-I26-001	26 Sep.	9:00	9:20	Kaoru		KIMURA	The University of Tokyo	Search for Quasicrystalline Semiconductor and Development of High Performance Thermoelectric Material
	A-4-O26-002	26 Sep.	9:20	9:35	Ming		ZHANG	Yokohama National University	First-principles Study of Geometrical and Electronic Structures of Oxygen Vacancies in TiO ₂
	A-4-O26-003	26 Sep.	9:35	9:50	Koichi		KITAHARA	The University of Tokyo	Thermoelectric Properties of Icosahedral Quasicrystals and Cubic Approximant Crystals in Al-Cu-Ru system
	A-4-O26-004	26 Sep.	9:50	10:05	Guanghe		LI	Osaka University	Effects of In-filling on the Thermoelectric Properties of CoSb ₃
	A-4-O26-005	26 Sep.	10:05	10:20	Hiroshi		KAWAKAMI	National Institute for Materials Science	Improvement of the thermoelectric properties of Perovskite-type oxide Ca-Mn-O system in relation to A-site vacancy
	A-4-O26-006	26 Sep.	10:20	10:35	Doyoung		JUNG	Osaka University	Change in the thermoelectric properties of Ag ₂ Te before and after the phase transition
Break Time									
26 Sep. 10:35 10:45									
Chairpersons: Dr. Yoshikazu SHINOHARA(National Institute for Materials Science)									
Keynote	A-4-K26-007	26 Sep.	10:45	11:10	Marisol		MARTIN GONZALEZ	Instituto de Microelectronica de Madrid	Nano-thermoelectrics for Energy Harvesting.
Keynote	A-4-O26-008	26 Sep.	11:10	11:25	Marisol		MARTIN GONZALEZ	Instituto de Microelectronica de Madrid	Thermoelectrics properties of Bi ₂ Te ₃ based alloys prepared by electrodeposition.
	A-4-O26-009	26 Sep.	11:25	11:40	Shih Chun		TSENG	Industrial Technology Research Institute, Material and Chemical Research Laboratories, Chung Hsing Rd., Sec. 4 Chu Tung, Hsinchu, Taiwan, ROC	Enhanced Thermoelectric Properties of (Bi _{0.55} Sb _{1.5} Te ₃)(Zn ₄ Sb ₃) _x by Combinatorial Approach
	A-4-O26-010	26 Sep.	11:40	11:55	S		NEELSHWAR	Guru Gobind Singh Indraprastha University	Room temperature thermoelectric material fabricated by chemical method
Invited	A-4-I26-011	26 Sep.	11:55	12:15	Hiroshi		HIROSHI NAKATSUGAWA	Yokohama National University	Self-cooling on power MOSFET using copper plating single-crystalline silicon wafers
	A-4-O26-012	26 Sep.	12:15	12:30	Donghun		KIM	Osaka university	Thermoelectric properties of the InSb-ZnSb ₂ and the InSb-ZnCeSb ₂ alloys
lunch									
26 Sep. 12:30 13:30									
Chairpersons: Prof. Kaoru KIMURA(The University of Tokyo)									
Invited	A-4-O26-013	26 Sep.	13:30	13:45	Sunao		SUGIHARA	Kanagawa University	How do we solve energy problem and environmental contaminations?
Keynote	A-4-K26-014	26 Sep.	13:45	14:10	Hidetoshi		OIKAWA	Tohoku University	Creation of Organic and Hybridized Nanocrystals for Optically Functional Materials in Photonics
Invited	A-4-I26-015	26 Sep.	14:10	14:30	Yoshimi		WATANABE	Nagoya Institute of Technology	Application of FGM Concept for Energy and Frontier Materials
	A-4-O26-016	26 Sep.	14:30	14:45	SHYAM	S	PANDEY	Graduate School of LSSE, Kyushu Institute of Technology	Design of far-red sensitizing dyes in the light of their fluorescence life-time for dye-sensitized solar cells
Break Time									
26 Sep. 14:45 14:55									
Chairpersons: Prof. Yoshimi WATANABE(Nagoya Institute of Technology)									
Invited	A-4-O26-017	26 Sep.	14:55	15:10	Makoto		KANO	Tokyo University of Science	For Attaining a Sustainable Society---After the gigantic disaster of JAPAN---
	A-4-O26-018	26 Sep.	15:10	15:25	Ying	Pin	HUANG	Industrial Technology Research Institute	Torrefaction of Bamboo by two different methods: Microwave Heating and Traditional Process
Invited	A-4-I26-019	26 Sep.	15:25	15:45	Masahiro		GOTO	National Institute for Materials Science	Development of low frictional metal oxide coating with crystal preferred orientation by a combinatorial sputter coating system
	A-4-O26-020	26 Sep.	15:45	16:00	Masahiro		TOSA	National Institute for Materials Science	Lubricative Coatings Effected by Environmental Test in Space Orbit
Invited	A-4-I26-021	26 Sep.	16:00	16:20	Yoshikazu		SHINOHARA	National Institute for Materials Science	For whom are our energy materials and environment-conscious materials?

Poster Session

Presentation NO	Presentation date	Time to start	Time to finish	Account: First name	Account: Middle name	Account: FAMILY NAME	Account: Affiliation	Abstract title
A-4-P26-001	26 Sep.	16:30	18:30	Kazuhiro		HASEZAKI	Shimane University	Comparison of gamma-TiAl with NbS ₂ /Nb/gamma-TiAl for thermal shock by burner-heating test
A-4-P26-002	26 Sep.	16:30	18:30	Hiroaki		MAMIYA	National Institute for Materials Science	Re-examination of dilute spinel ferrites for eco-friendly refrigerants
A-4-P26-003	26 Sep.	16:30	18:30	Akira		KASAHARA	NIMS	Optimum Combination Condition of Surface Roughness for Materials with Smooth Sliding in a Vacuum.
A-4-P26-004	26 Sep.	16:30	18:30	CYRIL		OCHERI	MATERIAL SOCIETY OF NIGERIA NIGERIAN METALLURGICAL SOCIETY	CURRENT ADVANCES IN ELECTRONIC MATERIALS FOR DEVELOPMENT NIGERIAN ENCONOMY THROUGH INFORMATION AND COMMUNICATION TECHNOLOGY (ICT)
A-4-P26-005	26 Sep.	16:30	18:30	Hiroyuki		KITAGAWA	Shimane University	Preparation of Al-doped ZnO Sputtering Target for Transparent Conductive Films by Pulse-Current Sintering
A-4-P26-006	26 Sep.	16:30	18:30	Hiroki		ICHIKAWA	Yokohama National University	Dependence of Degradation for Ni Anode under Potential Cycling on Alkaline Metal Hydroxide Electrolyte.
A-4-P26-007	26 Sep.	16:30	18:30	Ryuusuke		NAKAYAMA	Nagoya University	Development of bulk thermal rectifier using unusual increase of electron thermal conductivity of Al-Cu-Fe icosahedral quasicrystal
A-4-P26-008	26 Sep.	16:30	18:30	Takeshi		TERAYAMA	Advanced Industrial Science and Technology, AIST	Studies on effective utilization of exhaust heat of SOFC using thermoelectric power generation technology
A-4-P26-009	26 Sep.	16:30	18:30	Takuma		KURISHIMA	Graduate school, Kogakuin University	Synthesis and Electrical Properties of Tungsten Silicide
A-4-P26-010	26 Sep.	16:30	18:30	Young-Ho		JOO	Kumoh National Institute of Technology	Fabrication of biodegradable porous silica nanorods using AAO Template
A-4-P26-011	26 Sep.	16:30	18:30	Yukihiro		ISODA	Natinal Institute for Materials Science	Power generation properties of Mg ₂ Sb _{0.55} Sn _{0.5} with Sb-dopant
A-4-P26-012	26 Sep.	16:30	18:30	Satoki		TADA	MTSUBA Corporation	Thermoelectric properties of Mg ₂ Sb _{0.25} Sn _{0.75} doped with Na
A-4-P26-013	26 Sep.	16:30	18:30	srashti		GUPTA	GGSIPI, Delhi	Enhanced thermo power of PbTe thin film using ion irradiation treatment
A-4-P26-014	26 Sep.	16:30	18:30	Michiko		SASAKI	National Institute for Materials Science	Control of crystal preferred orientation of Bi ₂ Te ₃ thin films prepared by a combinatorial sputter coating system
A-4-P26-015	26 Sep.	16:30	18:30	Daisuke		YANAGIHARA	The University of Tokyo	Thermoelectric properties of delta-BTiRu and alpha-BTiRu approximant crystals
A-4-P26-016	26 Sep.	16:30	18:30	Yusuke		MATSUURA	The University of Tokyo	Carrier-doping effect on thermoelectric properties of narrow-bandgap (Ru, Fe)Ga ₃ intermetallic compounds
A-4-P26-017	26 Sep.	16:30	18:30	Hironao		TAKEMOTO	Kanagawa University	Thermoelectric properties of Zn _{1-(x+y)Ga_xln_yO} (0.003 < x+y < 0.007) system
A-4-P26-018	26 Sep.	16:30	18:30	Jae-sik		CHO	Kumoh National Institute of Technology	Stabilization of hybrid Membranes Doped with Zirconium
A-4-P26-019	26 Sep.	16:30	18:30	Naohito		TSUJII	National Institute for Materials Science	Thermoelectric Properties of Iron-based Magnetic Semiconductors
A-4-P26-020	26 Sep.	16:30	18:30	Kaori		INAYOSHI	Nagaoka University of Technology	Thermoelectric property of CaB ₆ synthesized by molten salt method