Monday Jan. 25, 2016 Room A		
7:00-8:00AM	Breakfast	
Session: Fundamentals and Applications of Porous Ceramics I Chair: DaeYong Jeong		
8:00-8:25AM	A01: Multi-Physics Simulation of Porous Materials in Energy Devices	**Michihisa Koyama** Kyushu University, Japan
8:25-8:50AM	A02: Ceramic Membranes with Adjustable Pore Size and Surface Functionalization for Controlled Virus Retention	**Stephen Kroll** University of Bremen, Germany
8:50-9:15AM	A03: Porous MAX phases for high temperature applications	**Jesus Gonzalez-Julian** Forschungszentrum Jülich GmbH, Germany
9:15-9:40AM	A04: On the challenges of developing high-performance porous ceramic structures	**Vanesa Gil** Technical University of Denmark, Denmark
9:40-10:05AM	A05: Single Phase α-Alumina Nanoporous Membranes with Tunable Pore Diameters	**Sachiko Ono** Kogakuin University, Japan
10:05-10:20AM	Session Break	
Session: General I Chair: Lothar Naumann		
10:20-10:45AM	A06: Compressibility and high pressure phase transitions for rare-earth orthovanadates	**Wojciech Paszkowicz** Institute of Physics, Polish Academy of Sciences, Poland
10:45-11:10AM	A07: Room Temperature Impact Consolidation (RTIC) of Fine Ceramic Particles on Aerosol Deposition Process	**Jun Akedo** National Institute of Advanced Industrial Science and Technology (AIST), Japan
11:10-11:35AM	A08: Piezoelectric Energy Harvesting through Mechanical Resonance initiated with Stray Magnetic Field	**DaeYong Jeong** Inha University, Korea
11:35-12:00AM	A09: A Theoretical Model for the Non-Arrhenius Ionic Conductivity of Solid Electrolytes	**Masaru Aniya** Kumamoto University, Japan
12:00-14:00PM	Lunch Break	

Monday Jan. 25, 2016 Room B		
Session: 2D oxide nanosheets Chair: Michihisa Koyama		
14:00-14:25PM	B01: Development of flexible oxide thin films produced by photo-reaction of metal organic compound: Electrical and optical applications	**Tetsuo Tsuchiya** National Institute of Advanced Industrial Science and Technology (AIST), Japan
14:25-14:50PM	B02: Preparation of Oxide-based Nanosheets from Inorganic Layered Compounds: Preparation, Surface Modification, and Applications	**Yoshiyuki Sugahara** Waseda University, Japan
14:50-15:15PM	B03: Critical layer for achieving low-resistivity impurity-doped ZnO polycrystalline films with a preferred (0001) orientation by magnetron sputtering	**Junichi Nomoto** Kochi University of Technology, Japan
15:15-15:30PM	Session Break	
Session: Ultra-high Temperature Ceramics I Chair: Tao Suo		
15:30-15:55PM	B04: Time dependent mechanical properties of Ultra High Temperature ZrB2 based ceramic composites	**Jakob Kuebler** Empa, Swiss Federal Laboratories for Materials Science and Technology, Switzerland
15:55-16:20PM	B05: Ultrafast atmospheric-pressure-plasma-jet materials processes for energy harvesting and storage devices	**Jian-Zhang Chen** National Taiwan University, Taiwan
16:20-16:45PM	B06: The singular plasticity of boron carbide ceramics	**Diego Gomez-Garcia** University of Seville, Spain
17:30PM	Dinner Social	

Monday Jan. 25, 2016 Room C		
Session: Electronics in Ceramics I Chair: Mara Bernardo		
14:00-14:25PM	C01: Synthesis and Electrical Properties of Lead-Free (K,Na)(Nb,Ta)O3 Thin Films for Piezoelectric Thin-Film Actuators	**Wataru Sakamoto** Nagoya University, Japan
14:25-14:50PM	C02: Ceramic processing of magnesium diboride for optimised superconducting properties	**Claire Dancer** University of Warwick, UK
14:50-15:15PM	C03: Ferroelectric and Magnetic Properties of Aurivillius Family Thin Films	**Tingting Jia** National Institute for Materials Science, Japan
15:15-15:30PM	Session Break	
Session: Electronics in Ceramics II Chair: Claire Dancer		
15:30-15:55PM	C04: Bulk Relaxor Ferroelectric Ceramics as Working Elements in an Electrocaloric Cooling Device	**Zdravko Kutnjak** Jozef Stefan Institute, Slovenia
15:55-16:20PM	C05: Synthesis, microstructure and properties of BiFeO3-based multiferroic materials	**Mara Bernardo** POEMMA-CEMDATIC, ETSI Telecomunicacion (UPM), Spain
16:20-16:45PM	C06: Effect of Ferroelectric Order on Electrocaloric Effect	**Yang Bai** University Of Science and Technology Beijing, China
16:45-17:10PM	C07: Mechanoluminescent Materials with Piezoelectric Crystal Structure	**Jun-Cheng Zhang** Qingdao University, China
17:30PM	Dinner Social	

Tuesday Jan. 26, 2016 Room B		
8:00-9:00AM	Breakfast	
Session: General II Chair: Wojciech Paszkowicz		
9:00-9:25AM	B07: Precise Structure Analysis of Materials for Energy and Environment, and New Material Exploration	**Masatomo Yashima** Tokyo Institute of Technology, Japan
9:25-9:50AM	B08: Transparent fluoride ceramics for laser applications	**Michel Mortier** Paris Institute of Technology, France
9:50-10:15AM	B09: Synthesis of Ceramics with Controlled Nano- and Micro-Structures by Aqueous Solution Methods	**Makoto Kobayashi** Tohoku University, Japan
10:15-10:30AM	Session Break	
Session: Carbides and Nitrides for Electrochemistry and Energy Chair: Michel Mortier		
10:30-10:55AM	B10: Nitride Ceramics for Solid State Lighting Applications	**Yi Zheng** OSRAM SYLVANIA INC. , USA
10:55-11:20AM	B11: Self-Assembled MXene Film with High Gravimetric Capacitance	**Xiaohui Wang** Institute of Metal Research, CAS, China
11:20-11:45AM	B12: The formation of InN nanodots and density control by PA-MBE via droplet epitaxy technique	**Jiun-Yu Chen** National Dong Hwa University, Taiwan
11:45-12:10PM	B13: First-principles study of the hydrogen insertion into MX and Mn+1AXn phases	**Haimin Ding** North China Electric Power University, China
12:30-14:00PM	Lunch Break	
Session: Electronics in Ceramics III Chair: Wataru Sakamoto		
14:00-14:25PM	B14: Structure and Chemical Bonding of AgNbO3, BiFeO3 and BiFeO3-PbTiO3 Ceramics	**Masatomo Yashima** Tokyo Institute of Technology, Japan

14:25-14:50PM	B15: Reversible modulation of opto-electric and electro-magnetic properties of transition metal oxides using water-infiltrated glass	**Takayoshi Katase** Hokkaido University, Japan
14:50-15:15PM	B16: Critical Thickness Effect in Varistor Ceramics	**Jianying Li** Xi’an Jiaotong University, China
15:15-16:00PM	**Poster Session**	
Session: Ceramic Materials for Nuclear Power	**Chair: Masatomo Yashima**	
16:00-16:25PM	B17: Elaboration of advance ceramics and sintering processes for nuclear technology and other applications	**Albina Orlova** Nizhny Novgorod State University, Russia
16:25-16:50PM	B18: Ceramic coatings for hydrogen permeation barrier in advanced energy systems	**Takumi Chikada** Shizuoka University, Japan
16:50-17:15PM	B19: Ceramics and Glass-Ceramics for Immobilisation of Intermediate- and High-Level Nuclear Waste	**E. R. Vance** SynrocANSTO, Australia
17:30PM	Dinner Social	

Tuesday Jan. 26, 2016 Room C		
8:00-9:00AM	Breakfast	
Session: Ceramic Nanostructures I	**Chair: Jeremiah Abiade**	
9:00-9:25AM	C08: Formation mechanism of titanium dioxide flower-like structure through anodisation	**Vaia Adamaki** University of Bath, UK
9:25-9:50AM	C09: Nanonet of ceramic nanofibers with targeted functionalities	**Irina Hussainova** Tallinn University of Technology, Estonia
9:50-10:15AM	C10: Monodispersed spherical core-shell type ceramic/polymer hybrid nanoparticles	**Noriya Izu** National Institute of Advanced Industrial Science and Technology, Japan
10:15-10:30AM	Session Break	
Session: Ceramics nanocomposites	**Chair: Jakob Kuebler**	
10:30 -10:55AM	C11: Self-setting injectable paste composed of hydroxyapatite/collagen bone-like nanocomposite and GPTMS	**Masanori Kikuchi** Hokkaido University, Japan
10:55-11:20AM	C12: Preparation, structure and luminescence of Eu3+ -doped yttrium-cerium composite oxide powders	**Shikao Shi** Hebei Normal University, China
11:20-11:45AM	C13: Texture developing and some properties of feeble magnetic ceramics	**Yoshio Sakka** National Institute for Materials Science, Japan
Session: Fundamentals and Applications of Porous Ceramics II	**Chair: Jesus Gonzalez-Julian**	
11:45-12:10AM	C14: Porosity analysis of porous axial suspension plasma sprayed thermal barrier coatings for gas turbine application	**Ashish Ganvir** University West, Sweden
12:10-12:25PM	C15: Preparation and properties of macro-porous ceramics derived from particle stabilized emulsions	**Jinhong Li** China University of Geosciences, China
12:30-14:00PM	Lunch Break	

Session: General III Chair: Lianjun Wang		
14:00-14:25PM	C16: Application of Si3N4/SiC composite for particle detectors in harsh radiation environment	**Lothar Naumann** Helmholtz-Zentrum Dresden-Rossendorf, Germany
14:25-14:50PM	C17: (Ni1-xCox)TiO3 - A Sustainable Multiferroic Oxide	**Johannes Frantti** Finnish Research and Engineering, Finland
14:50-15:15PM	C18: Influence of Different Ni-YSZ Anode Functional Layer Thicknesses on Power Densities in Anode-Supported SOFCs	**Isao Kagomiya** Nagoya Institute of Technology, Japan
15:15-16:00PM	**Poster Session**	
Session: General IV Chair: Johannes Frantti		
16:00-16:25PM	C19: Molecular Dynamics Simulation Study on the Lithium Ion Transport of Doped Garnet-Type Solid Electrolytes	**Randy Jalem** National Institute for Materials Science (NIMS), Japan
16:25-16:50PM	C20: Fabrication of Graphene/Al2O3 Nano-Composites	**Lianjun Wang** Donghua University, China
16:50-17:15PM	C21: Photoluminescence of Inorganic Amorphous Films Containing ns2-type Emission Center	**Hirokazu Masai** Kyoto University, Japan
17:30PM	Dinner Social	

Wednesday Jan. 27, 2016 Room B		
8:00-9:00AM	Breakfast	
Session: Bioceramics and medical applications	**Chair: Masanori Kikuch**	
9:00-9:25AM	B20: Additive manufacturing of calcium phosphate based ceramics for bone tissue engineering	**Franz E. Weber** University of Zurich, Switzerland
9:25-9:50AM	B21: Bone Regeneration Using Organic-Inorganic Porous Hybrids in Craniotomy	**Yuki Shirosaki** Kyushu Institute of Technology, Japan
9:50-10:15AM	B22: Electro-active ceramics as a new generation materials for orthopedic implant applications	**Ashutosh Kumar Dubey** Indian Institute of Technology (BHU), India
10:15-10:30AM	Session Break	
Session: Ultra-high temperature ceramics II	**Chair: Jakob Kuebler**	
10:30 -10:55AM	B23: Joining of UHTC Boride Using Metallic Interlayer	**Noritaka Saito** Kyushu University, Japan
10:55-11:20AM	B24: Coupling effects of temperature and strain rate on compressive behavior of C/SiC composites	**Tao Suo** Northwestern Polytechnical University, China
11:20-11:45AM	B25: On the plasticity of boron carbide ceramics	**Bibi Malmal Moshtaghion** Universidad de Sevilla, Spain
12:10-14:00PM	Lunch Break	
Session: Ceramic Nanostructures II	**Chair: Vaia Adamaki**	
14:25-14:50PM	B26: CO and Soot catalytic oxidation with Ce-Zr-Pr oxides	**Samir Bensaid** Politecnico di Torino, Italy
14:50-15:15PM	B27: Local Structure Analysis of Sm-Fe and Tb-Fe Systems in Crystallization Process From Amorphous state	**Yasuhiro Yoneda** Japan Atomic Energy Agency, Japan
15:15-15:30PM	Session break	
Session: Ceramic Nanostructures III	**Chair: Irina Hussainova**	
15:30-15:55PM	B28: A Resol-Assisted Co-Assembly Approach to Crystalline Mesoporous Niobia Spheres	**Wei Luo** Donghua University, China
15:55-16:20PM	B29: Investigation of the Wetting Characteristics of Cerium Dioxide Thin Films	**Jeremiah Abiade** University of Illinois at Chicago, USA
17:30PM	Dinner Social	

Wednesday Jan. 27, 2016 Room C		
8:00-9:00AM	Breakfast	
Session: Electronics in Ceramics IV	**Chair: Hana Ursic**	
9:00-9:25AM	C22: Magnetic, Electric and Thermal Field Response of Artificial Magneto-Electric Epitaxial Multilayer	**Takeshi Yokota** Nagoya Institute of Technology, Japan
9:25-9:50AM	C23: Mutual control of magnetization and electric polarization at room temperature in multiferroic Y-type hexaferrite ceramics	**Sakyo Hirose** Murata Manufacturing Co., Ltd., Japan
9:50-10:15AM	C24: Large Piezoelectric Properties in Textured Lead-Free Bi0.5(Na,K)0.5TiO3-Based Ceramics	**Chang Won Ahn** University of Ulsan, Korea
10:15-10:30AM	Session Break	
Session: Electronics in ceramics V	**Chair: Sakyo Hirose**	
10:30 -10:55AM	C25: Artificial fabrication and electrical conduction of charged domain-walls in ferroelectric materials	**Atsutomo Nakamura** Nagoya University, Japan
10:55-11:20AM	C26: Structural disorder stability of mechanochemically derived $Pb(Sc_{0.5}Nb_{0.5})O_3$ ceramics	**Hana Ursic** Jozef Stefan Institute, Slovenia
11:20-11:45AM	C27: Towards tunable magnetoresistance with spin nematicity and electrical boundary conditions	**Zhihong Wang** Institute of Physics, CAS, China
12:10-14:00PM	Lunch Break	
Session: Electronics in Ceramics VI	**Chair: Wenfeng Liu**	
14:00-14:25PM	C28: Materials genome approach for novel perovskite-type ferroelectrics with high Curie temperature and piezoresponse	**Jian Yu** Tongji University, China
14:25-14:50PM	C29: Electrochemical detection of nitrite based on modified 3C-SiC nanowires electrode	**Xinmei Hou** University Of Science and Technology Beijing, China

14:50-15:15PM	C30: The Dielectric Constant of CaCu3Ti4O12 Ceramics	**Changping Yang** Hubei University, China
15:15-15:30PM	Session break	
Session: Electronics in ceramics VII Chair: Jian Yu		
15:30-15:55PM	C31: High Piezoelectric Performance from the phase coexisting region	**Wenfeng Liu** Xi’an Jiaotong University, China
15:55-16:20PM	C32: Effect of nanoscale atomic orderings on functional properties of lead-free ferroelectric ceramics	**Abhijit Pramanick** City University of Hong Kong, Hong Kong
16:20-16:45PM	C33: Temperature Controlled Electronically in a System of Two Coupled Brick Kilns	**Javier Guadarrama** Universidad Autonoma del Estado de Mexico, Mexico
17:30PM	Dinner Social	
Jan. 28	**One day Excursion**	

Tuesday Jan. 26, 2016 15:15-16:00PM		
Poster Session		
P01	Nanopowders and ceramics for atomic energy, medical, structural and tribological applications	**Albina Orlova** Nizhny Novgorod State University, Russia
P02	A Model for the Particle Size Dependence of the Ionic Conductivity	**Kazuma Hagihara** Kumamoto University, Japan
P03	Effect Compensation on Coating Quality for a Material Deposition Process in Nanotechnology	**Bo Wun Huang** Cheng Shiu University, Taiwan
P04	Effect of nitridation on LiMn1.5Ni0.5O4 as cathode material for lithium-ion batteries	**Sukeun Yoon** Kongju National University, Korea
P05	Morphological variations in the microwave assisted hydrothermal synthesis of ZnO-based materials	**Mara Bernardo** POEMMA-CEMDATIC, ETSI Telecomunicacion (UPM), Spain
P06	Electrical and Optical Properties of Nickel Thin-films Fabricated by Oblique-angle Deposition	**Jaehee Cho** Chonbuk National University, Korea
P07	Numerical Simulation of Inter-Particle Aggregation and Breakage in Taylor-Reactor	**Dong Hyup Jeon** Dongguk University, Korea
P08	Fabrication and Electrical Properties of Ni-Mn-Cu Oxide Thick Film for Uncooled Infrared Detector	**Dong-Jin Lee** Gyeongsang National University, Korea
P09	Fabrication of SrTi1-xFexO3 (x=0, 0.05, 0.1) nanofibers as an anode for Li-ion battery	**Attaphol Karaphun** KhonKaen University, Thailand
P10	The Origin of Colossal Dielectric Permittivity in MgO/(Nb+In) co-doped TiO2Nanocomposites	**Wattana Tuichai** KhonKaen University, Thailand
P11	Ca1-3x/2YxCu3-yZnyTi4O12 Nanocrystalline Powders Synthesized by a Modified Sol-Gel Route: Preparation, Characterization and Their Bulk Colossal Dielectric Properties	**Jakkree Boonlakhorn** KhonKaen University, Thailand

P12	Largely Enhanced Dielectric Permittivity and Low Loss Tangent in 3-Phase Polymer Matric Nanocomposites: Ti1-x(In1/2Sb1/2)xO2-CarbonNanotube/Polyvinylidene Fluoride	**Apiwat Boonkhuang** KhonKaen University, Thailand
P13	(Al0.5Nb0.5)xTi1-xO2 Nanocrystalline Powders Prepared by a Sol-Gel Method: Preparation, Characterization and Their Bulk Colossal Dielectric Permittivity	**Nateeporn Thongyong** KhonKaen University, Thailand
P14	Greatly Enhanced Dielectric Permittivity in Poly(vinylidene fluoride)-Based Polymeric Composites Induced by Na1/3Ca1/3Bi1/3Cu3Ti4O12 Nanoparticles	**Pornsawan Kum-onsa** KhonKaen University, Thailand
P15	Enhanced Dielectric Properties of Novel Na1/3Y1/3Ca1/3Cu3Ti4O12 Ceramics Prepared by a Modified Sol-Gel Method	**Areeya Mooltang** KhonKaen University, Thailand
P16	Dielectric and Non-Ohmic Properties of Na1/2Y1/2Cu3Ti4O12/Al2O3 Nanocomposite Ceramics	**Jutapol Jumpatam** KhonKaen University, Thailand
P17	Comparison of magnetic properties of L10-FePt films grown by different techniques	**Aimei Zhang** Hohai University， China