

Detailed Meeting Program

Tuesday June 7		
Room A		
8:00-8:35AM	Opening Ceremony	
Session: General Materials Chair: Shiyu Du		
8:35-9:00AM	A01: Extended Di- and Tri-ketone Derivatives as Versatile Building Blocks for Metallo-Supramolecular Chemistry - From Polyrotaxane Generation to Pressure Induced Molecular Switching	Leonard F. Lindoy The University of Sydney, Australia
9:00-9:25AM	A02: Femtosecond Pulsed-Laser-Deposition of ZIF-8 Films	Dieter Fischer Max Planck Institute for Solid State Research, Germany
9:25-9:50AM	A03: Coupling Fullerene into Porous Aromatic Frameworks for Gas Selective Sorption	Xiaoqin Zou Northeast Normal University, China
9:50-10:05AM	Session Break	
Session: Low Dimensional Materials and Devices Chair: Leonard F. Lindoy		
10:05-10:30AM	A04: The electronic structures and properties of two dimensional transition metal carbide (MXene) for nanoelectronics	Shiyu Du Ningbo Institute of Materials Technology and Engineering, CAS, China
10:30-10:55AM	A05: Synthesis and properties of functional graphene	Emmanuel Beyou Universit�e de Lyon, France
10:55-11:20AM	A06: Sunlight driven semiconductor photocatalyst for organic dyes removal	Swee-Yong Pung Universiti Sains Malaysia, Malaysia

11:20-11:45AM	A07: Modification of TiO ₂ based photocatalyst	Junguang Tao Hebei University of Technology, China
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Session: Photovoltaics Chair: Hisao Ishii		
14:00-14:25PM	A08: Quantum processes of exciton scattering at organic solar-cell interfaces	Takashi Nakayama Chiba University, Japan
14:25-14:50PM	A09: Ultrafast charge carrier motion in organic solar cells. Role of coherent electron propagation in charge separation	Vidmantas Gulbinas Center for Physical Sciences and Technology, Lithuania
14:50-15:15PM	A10: Stability and Interfaces in Organo-Metallic Perovskite Solar Cell Materials	Yongli Gao University of Rochester, USA
15:15-15:40PM	A11: High Efficiency Approach of Non-toxic Solution-Based Cu(In,Ga)Se ₂ Thin Film Solar Cells	Yong Soo Cho Yonsei University, Korea
15:40-15:55PM	Session Break	
Session: Bioimaging and Sensing Chair: Saulius Jursenas		
15:55-16:20PM	A12: Luminescence silver nanodots for probing and imaging	Junhua Yu Seoul National University, Korea
16:20-16:45PM	A13: Recent Advances in Avalanche Amorphous Selenium Technology for Applications in Bio-Medical Imaging	Alla Reznik Lakehead University, Canada
16:45-17:10PM	A14: Recent technologies of RFIPDs and their applications in biosensing field	Cong Wang Kwangwoon University, Korea
17:30PM	DINNER SOCIAL	

Wednesday June 8		
Room A		
Session: Optoelectronic Materials and Devices Chair: Takashi Nakayama		
9:00-9:25AM	A15: Electronic structure of OLED model interfaces Observed by high sensitivity photoemission	Hisao Ishii Chiba University, Japan
9:25-9:50AM	A16: Naphthalimide dipolar derivatives: a versatile platform for tunable light emitters and sensors	Saulius Jursenas Vilnius University, Lithuania
9:50-10:15AM	A17: Digital holography for industrial instrumentation	Masayuki Yokota Shimane University, Japan
10:15-10:40AM	A18: Role of triplet exciton diffusion in light-upconverting polymer glasses	Karolis Kazlauskas Vilnius University, Lithuania
10:40-11:05AM	A19: The Effect of Group-Velocity Dispersion on Nonlinear Mid-Infrared Quantum-Cascade Lasers	Jing Bai University of Minnesota Duluth, USA
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Session: General Nanotechnology Chair: Bofeng Bai		
14:00-14:25PM	A20: Solar Cells and Photocatalysts based on Semiconductor and Plasmonic Nanostructures	Dongling Ma INRS - EMT, Canada
14:25-14:50PM	A21: Towards controllable growth of GeSi QDs on Si pillar-patterned substrates	Zhenyang Zhong Fudan University, China
14:50-15:15PM	A22: Theoretical Studies of Quantum-dot Cellular Automata based on Biferrocenediboronic Acid	Ken Tokunaga Kogakuin University, Japan
15:15-16:00PM	Poster Session	

16:00-16:25PM	A23: Nanotechnology for environment; Surface modification of silica spheres for heavy metal removal from water	Kwang-Sun Kang Kyungil University, Korea
16:25-16:50PM	A24: Effect of dispersion method on stability and dielectric strength of Transformer oil-based TiO ₂ nanofluid	Yuzhen Lv North China Electric Power University, China
16:50-17:15 PM	A25: Optical Properties of an Individual Multi-branched CdS Comblike Micro/Nanostructure	Ruibin Liu Beijing Institute of Technology, China
17:30PM	GROUP PHOTO & DINNER SOCIAL	

Thursday June 9		
Room A		
Session: General Energy Chair: Dongling Ma		
9:00-9:25AM	A26: Deformation, Motion and Adhesion of Droplets with Complex Liquid Interface	Bofeng Bai Xi'an Jiaotong University, China
9:25-9:50AM	A27: Electrolysis of sodium carbonate and bicarbonate and their applications	Xiaojin Yang Beijing University of Chemical Technology, China
9:50-10:15AM	A28: Green synthesis of glycolic acid from oxalic acid and water using a light-assisted electrolysis system	Miho Yamauchi Kyushu University, Japan
10:15-10:40AM	A29: Thermoelectric Materials and Modules Controlled Structures from Nano to Micro Scales	Ryoji Funahashi National Institute of Advanced Industrial Science and Technology (AIST), Japan
10:40-11:05AM	A30: In-situ Powder X-ray Diffraction (PXRD) Study on the Mechanism of Hydrothermal Synthesis of Vanadium Oxides	Liangmiao Zhang Shanghai University, China
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POSTER SESSION	
15:15-16:00PM Wednesday Afternoon	
P1: Characteristics of plasma polymerized TIOCH films using titanium isopropoxide precursor	Wonjin Ban Sungkyunkwan University, Korea
P2: Performance characteristics of adsorption chiller with operating mode	Kyung Jin Bae Korea Institute of Industrial Technology, Korea
P3: Influence of charge balance and exciton distribution on the performance of organic light-emitting diodes	Kunping Guo Shanghai University, China
P4: Characteristics of flexible plasma polymerized thin films from the TTMSS precursor on indium tin oxide coated polyethylene naphthalate	Yeji Lee Sungkyunkwan University, Korea