

Oral Presentation (Invited talk: 9:30-17:40)

ITO-IMCE 1F Conference Room

Time	Title	Speaker	Chair
9:30-9:40	Opening address	Junichiro Hayashi, IMCE Director	
Session for Rising Star in Asia			
9:40-10:10	Boron Containing Radicals	Ching-Wen Chiu National Taiwan University (Taiwan)	Kenta Goto
10:10-10:40	Steering the Energy Barrier and Blocking Temperature of Pseudo-Two-Coordinate Dysprosium(III) Single-Molecule Magnets	Yan-Zhen Zheng Xi'an Jiaotong University (China)	Shinji Kanegawa
10:40-11:00	Coffee break		
11:00-11:30	Regulate Cancer Cell Mechanics by Synthetic Molecular Self-assembly	Ye Zhang Okinawa Institute of Science and Technology (Japan)	Sou Ryuzaki
11:30-12:00	Tissue mechanobiology: Mechanical forces behind tissue morphogenesis	Ysuke Toyama National University of Singapore (Singapore)	Thasanee-ya Kuboki
12:00-12:15	Group Photo		
12:15-13:30	Lunch and Poster Session		
13:30-14:00	Blood-compatible, Stretchable Active Multi-electrode Arrays	Wonryung Lee JLK INSPECTION, Inc (Korea)	Daiki Murakami
14:00-14:30	Polymer Nanostructures by Wetting Nanopores in Anodic Aluminum Oxide Templates	Jiun-Tai Chen National Chiao Tung University (Taiwan)	Yuji Higaki
14:30-14:50	Coffee break		
Session for Dynamic Alliance			
G1: Electronics			
14:50-15:10	Two Harvests from One Metalloporphyrin Complex	Fumito Tani, IMCE Kyushu Univ.	Kazuki Nagashima
15:10-15:30	Large-amount Synthesis of Atom-precise Metal Clusters	Takane Imaoka, CLS TokyoTECH	
G2: Environment and Energy			
15:30-15:50	Materials Tuning of Titania Nanotubes for Environmental and Energy Functions	Tohru Sekino, ISIR, Osaka Univ.	Koji Nakabayashi
15:50-16:10	Plasmon-induced water splitting and its enhancement by strong coupling between nanocavity and localized surface plasmon modes	Hiroaki Misawa, RIES, Hokkaido Univ.	
16:10-16:30	Coffee break		
16:30-16:50	Production and Conversion of Levoglucosenone	Shinji Kudo, IMCE Kyushu Univ.	
G3: Life Science			
16:50-17:10	Creation of Intracellular Condition Responsible Artificial Nucleic Acids, Named Peptide Ribonucleic Acids	Takehiko Wada, IMRAM, Tohoku Univ.	Fumihiro Aratsu
17:10-17:30	Frustrated differentiation of mesenchymal stem cells induced by nomadic movement between stiff and soft region of hydrogel matrix	Satoru Kidoaki, IMCE Kyushu Univ.	
17:30-17:40	Closing remarks	Kazunari Yoshizawa, IMCE Vice director	
18:00-20:00	Banquet		

Student Poster (Presentation time: 12:15-13:30)

S1	Zetao Zhu, D2 (Yanagida Lab)	Dopant Incorporation at Two Crystal Growth Interfaces in Vapor-Liquid-Solid Process of Metal Oxide Nanowires
S2	Chen Wang, D2 (Yanagida Lab)	Impact of Thermodynamically Defined Oxide Nanowire Surfaces on Stability of Molecule-to-Surface Interaction
S3	Sejima Hibiki, B4 (Sato Lab)	Synthesis and Magnetic Properties of Valence Tautomeric Complex with Chiral Ligands
S4	Hiroki Uehara, M1 (Tanaka Lab)	Synthesis and ion-responsive behavior of sulfobetaine-containing amphiphilic block copolymers
S5	Yuto Segami, B4 (Tanaka Lab)	Relationship between Blood Compatibility and Polymer/water Interfacial Structures Controlled by Random Copolymerization
S6	Haruka Takekuma, M2 (Tamada Lab)	Photoluminescence of Multilayered Quantum Dots 2D Sheet
S7	Shihomi Masuda, D1 (Tamada Lab)	Nonlinear Viscoelasticity of Highly Ordered, Two-Dimensional Crystals of Au NPs confined at the Air/water interface
S8	Yuta Kawano, M2 (Tani Lab)	Synthesis of novel porphycenes fused with azulenes
S9	Takaaki Teraoka, M2 (Tani Lab)	Synthesis and properties of azulene-fused isobenzothiophene helicenes
S10	Nurulhuda Halim, D2 (Hayashi Lab)	Influence of temperature on kinetics and mechanism of CO ₂ gasification of lignite chars
S11	Xin Huang, D2 (Hayashi Lab)	Hydrogenolysis of γ -valerolactone over silica-supported Rh-based bimetallic catalysts
S12	Tatsuro Yoshinaga, D1 (Shindo Lab)	Synthesis of distorted triptycenes using ynolate-aryne triple cycloaddition and their transformations
S13	Jing Gong, M2 (Shindo Lab)	Role of M-CSF expressed from 4T1 tumor cells in immune activation
S14	Baowei Xie, D1 (Okada Lab)	Na ₃ MnPO ₄ CO ₃ Carbonophosphate Cathode for Na-ion Battery
S15	Ryo Sakamoto, M2 (Okada Lab)	Electrochemical Properties and Local Structure of Concentrated NaClO ₄ Electrolytes for Aqueous Sodium-ion Battery
S16	Takahiro Komatsu, M1 (Yokoyama Lab)	Electro-optic Beam Stealing using hybrid polymer and Si ₃ N ₄ waveguide
S17	Hidekatsu Matsuo, M1 (Yokoyama Lab)	Rf Control of the Traveling Wave Electrodes on the Electro-optic Polymer Modulator
S18	Chisa Higuchi, M2 (Yoshizawa Lab)	Theoretical Study on the Role of Hydrogen Bond in the Adhesion between Glass Surface and Epoxy Resin
S19	Masashi Saito, M1 (Yoshizawa Lab)	Theoretical Study on Asymmetric Mannich Reaction by 1,2,3,4,5-Pentacarboxycyclopentadiene
S20	Koji Fujikawa, M1 (Kikuchi Lab)	Development of weak anchoring interface between liquid crystal and polymer for application to polymer-stabilized liquid crystal blue phases
S21	Mizuho Tanioka, M1 (Kikuchi Lab)	The influence of surface nanomorphology formed by accumulated nano-particles on surface anchoring effects of liquid crystals
S22	Yuta Une, D2 (Nagashima Lab)	Synthesis of Enamine Catalyzed by Ir Complexes under Thermal or Photochemical Conditions
S23	Daichi Sakata, M1 (Nagashima Lab)	Syntheses of D-A-type π -Conjugated Enamines by Hydrosilane Reduction of Carboxamides catalyzed by Ir Complexes and Their Applications
S24	Linlin Li, D1 (Takahara Lab)	Fabrication of Hybrid Films Composed of Phosphorylated Cellulose Nanocrystal and Imogolite Nanotubes
S25	Chao-Hung Cheng, M2 (Takahara Lab)	Structure Evolution of Colloidal Crystal Film Analyzed by Small-Angle X-ray Scattering under Uniaxial Deformation
S26	Shin Sakiyama, D2 (Fujita Lab)	Electron Injection on Metal/n-doped Semiconducting polymer
S27	Akane Yasukouch, M2 (Fujita Lab)	p- and n-doping on bulkhetero junction organic photovoltaic cells

