

Institute for Chemical Research International Symposium 2016 (ICRIS'16)
- Research Network Based on ICR MOU -

7-8 March 2016, Uji, Kyoto, Japan

Monday 7th March 2016

- 9:20 - Registration
- 9:50 - 10:00 **Opening Remarks** Norihiro Tokitoh (ICR)
- 10:00 - 11:45 **Session 1** *Session Chair: Yasujiro Murata (ICR)*
- 10:00 - 10:30 O01 **Shiuh-Tzung Liu (National Taiwan University)**
Binuclear Complexes with Naphthyridine and Anthyridine-based Ligands: *Synergistic Effect*
- 10:30 - 11:00 O02 **Slavi C. Sevov (University of Notre Dame)**
Chemistry of Heavier Main-Group Elements in Negative Oxidation States
- 11:00 - 11:25 O03 **Tsukasa Matsuo (Kinki University)**
Fused-Ring Bulky “Rind” Groups Producing New Possibilities in Organoelement Chemistry
- 11:25 - 11:45 O04 **Atsushi Wakamiya (ICR, Kyoto University)**
Hole-Transporting Materials with a Two-Dimensionally Expanded π -System for Efficient Perovskite Solar Cells
- 11:50 - 12:05 **Signing Ceremony for Memorandum of Understanding**
- 12:05 - 12:15 Group Photo Session
- 12:15 - 13:30 Lunch and Poster Viewing
- 13:30 - 15:15 **Session 2** *Session Chair: Masaharu Nakamura (ICR)*
- 13:30 - 13:55 O05 **Akihiro Orita (Okayama University of Science)**
Syntheses of Diarenopentalenes by Transannulation of Sondheimer-Wong Dienes and Their Optical Properties
- 13:55 - 14:25 O06 **Kang Sun (Shanghai Jiao Tong University)**
Gold Nanoparticles as a Potential Cellular Probe for Dual-energy Computed Tomography Tracking of Stem Cells in Bone Regeneration
- 14:25 - 14:45 O07 **Keita Sakakibara (ICR, Kyoto University)**
Control of Interfacial Properties by the Adsorption of Block Copolymers Toward High-Performance Polymer Composite Materials
- 14:45 - 15:15 O08 **Ru-Shi Liu (National Taiwan University)**
Light Conversion Materials: Applications in Solid-state Lighting, Energy and Biomedical
- 15:15 - 15:30 Coffee Break
- 15:30 - 16:55 **Session 3** *Session Chair: Teruo Ono (ICR)*
- 15:30 - 16:00 O09 **Patrick M. Woodward (Ohio State University)**
The Magnetism of Double Perovskites Containing Os and Re: Understanding Superexchange Interactions between 5d and 3d Ions
- 16:00 - 16:30 O10 **Werner Paulus (University of Montpellier)**
Scaling of Structural, Dynamical and Electronic Complexity in Transition Metal Oxides Established by Low Temperature Topotactic Oxygen Intercalation Reactions
- 16:30 - 16:55 O11 **Tatsumi Ishihara (Kyushu University)**
Effects of Tensile Strain on Oxide Ion Conductivity in Pr_2NiO_4 by Dispersion of Au
- 17:00 - 18:30 **Poster Session**
- 18:30 - 20:00 Banquet

Tuesday 8th March 2016

- 9:20 - 10:35 **Session 4** *Session Chair: Hiroyuki Ogata (ICR)*
- 9:20 - 9:40 O12 **Canh Hao Nguyen (ICR, Kyoto University)**
Distances with Global Information on Large Graphs
- 9:40 - 10:05 O13 **Osamu Maruyama (Kyushu University)**
Predicting Protein Complexes by Sampling Algorithms
- 10:05 - 10:35 O14 **Wai-Ki Ching (The University of Hong Kong)**
Probabilistic Boolean Networks: Models, Algorithms and Applications
- 10:35 - 10:45 Coffee Break
- 10:45 - 12:00 **Session 5** *Session Chair: Hironori Kaji (ICR)*
- 10:45 - 11:15 O15 **Kyung Hyun Ahn (Seoul National University)**
A New Paradigm of Materials Processing
- 11:15 - 11:40 O16 **Shinichi Sakurai (Kyoto Institute of Technology)**
Grain Growth on the Free Surface of a Block Copolymer Thin Film in Which BCC Lattice of Spherical Microdomains Are Being Oriented
- 11:40 - 12:00 O17 **Yumi Matsumiya (ICR, Kyoto University)**
Extensional Behavior of (SIS)_p-type Multiblock Copolymer Systems
- 12:00 - 13:10 Lunch and Poster Viewing
- 13:10 - 14:55 **Session 6** *Session Chair: Toshiharu Teranishi (ICR)*
- 13:10 - 13:30 O18 **Kohji Ohno (ICR, Kyoto University)**
Polymer-Brush-Decorated Hybrid Particles: Precision Synthesis and Self-Assembly
- 13:30 - 14:00 O19 **Didier Giges (Aix-Marseille Université, CNRS)**
Alkoxyamines as Valuable Precursors for Macromolecular Engineering
- 14:00 - 14:25 O20 **Takeharu Haino (Hiroshima University)**
Supramolecular Polymers and Networks with Non-Covalent Bonds
- 14:25 - 14:55 O21 **YoungSoo Kim (Korea Institute of Science and Technology)**
Disaggregation of Neurotoxic A β Aggregates for Alzheimer Drug Discovery
- 14:55 - 15:10 Coffee Break
- 15:10 - 16:55 **Session 7** *Session Chair: Takeo Kawabata (ICR)*
- 15:10 - 15:40 O22 **Richard P. Cheng (National Taiwan University)**
Effect of Arginine Modification on Structure and Function
- 15:40 - 16:00 O23 **Hikaru Takaya (ICR, Kyoto University)**
Supramolecular Catalysts Based on Metalated-Amino Acids and Peptides Self-Assembly
- 16:00 - 16:30 O24 **Astrid Walrant (Université Pierre et Marie Curie)**
Contribution of Tryptophan Residues in Arginine-rich Cell-penetrating Peptides Internalisation
- 16:30 - 16:55 O25 **Ikuhiko Nakase (Osaka Prefecture University)**
Intracellular Delivery System Based on Biofunctional Peptide-Modified Exosomes
- 17:00 Closing of the Symposium