

The 2nd International Symposium on Soft Crystals

<Oral presentation>

DAY1: July 12

- 13:00- **Welcome remarks**
- 13:05-13:35 **Soft Crystals: Flexible Response Systems with High Structural Order**
Masako Kato (Hokkaido Univ.)
- 13:35-13:55 **Epitaxial Growth of Crystalline Thin Film Fabricated by Contact Freezing Method with Seed Crystal**
Masanori Ozaki (Osaka Univ.)
- 13:55-14:15 **Single-Particle Photoluminescence Imaging of Organolead Mixed-Halide Perovskites**
Takashi Tachikawa (Kobe Univ.)
- 14:15-14:35 **Structural and Mechanistic Studies on Polymorphic Manganese(II) Complexes Exhibiting Luminochromism**
Tomoyoshi Suenobu (Osaka Univ.)
- 14:35-14:55 **Seeing Chemical Reactions in Soft Crystals: Crystalline-state Chemiluminescence Properties of 1,2-Dioxetane Derivatives**
Takashi Hirano (Univ. of Electro-Communications)
- 14:55-15:15 **Periodic-QM/MM Approach to Geometry and Electronic Structure of Transition Metal Complex in Crystal**
Shigeyoshi Sakaki (Kyoto Univ.)
- 15:15-15:35 **Tea break**
- 15:35-16:05 **Mechanochemistry For Luminescence Materials and Organic Synthesis**
Hajime Ito (Hokkaido Univ.)
- * 16:05-16:35 **Reaction Mechanisms And Kinetics Studies With Molecular Nanocrystals: A State in Transition Between Supramolecular Entities and Bulk Solids**
Miguel A. García-Garibay (Univ. of California, Los Angeles)

- 16:35-16:55 **Thermo-Responsive Chlorophyllous Supramolecules in Lipid Membranes**
Tomohiro Miyatake (Ryukoku Univ.)
- 16:55-17:15 **Luminescent silver complexes with very short and very long excited state lifetimes**
Rafał Czerwieniec (Univ. of Regensburg)
- 17:15-17:35 **Tea break**
- 17:35-17:55 **Time-resolved Infrared Spectroscopy for Exploring Photofunctions in Softcrystals**
Ken Onda (Kyushu Univ.)
- 17:55-18:15 **Grinding and Thermal Syntheses of Luminescent Copper(I) Complexes**
Atsushi Kobayashi (Hokkaido Univ.)
- 18:15-18:35 **Photochemical Formation of Formaldehyde from Organometallic Phthalocyanines and Its Photodynamic Effects**
Kei Murata (Univ. of Tokyo)

18:35- **Poster Session**

DAY2: July 13

- 9:00-9:30 **Preparation of metastable states using a rotary evaporator**
Kazuyuki Ishii (Univ. of Tokyo)
- 9:30-9:50 **Methodical Approach in Tuning the Optical and Photophysical Properties of Boron Aza-Dipyridylmethane dyes for Optoelectronics Application**
Abegail C. Tadle (Univ. of Southern California)
- 9:50-10:10 **Soft Crystals Based on Pillar-Shaped Macrocycles "Pillar[n]arenes": Molecular Weight Sorting of Alkanes and Polymers**
Tomoki Ogoshi (Kyoto Univ.)
- 10:10-10:30 **Crystal Component Linking: Control of Polymerization Degree by Probability of Polymer Chain Growth Reaction**
Kenta Kokado (Hokkaido Univ.)

- 10:30-10:50 **Analysis of Triplet State in Conjugated Molecular Crystals toward Persistent Room Temperature Phosphorescence from Soft Crystals**
Shuzo Hirata (Univ. of Electro-Communications)
- 10:50-11:10 **Tea break**
- * 11:10-11:40 **Photo-conjugate systems for delivering small molecule bioregulators**
Peter C. Ford (Univ. of California, Santa Barbara)
- 11:40-12:00 **Remarkable Enhancement of Red Luminescence of Europium(III) Complex Through Interaction with Hydrophobized DNA**
Norihsa Kobayashi (Chiba Univ.)
- 12:00-13:10 **Lunch**
- 13:10-13:30 **Room-Temperature Phosphorescent Crystal of Iodine-substituted Metal-Free Organoboron Complex**
Hiroshi Ikeda (Osaka Prefecture Univ.)
- 13:30-13:50 **Development of Polymorph-Dependent Luminescent Crystals Based on the Excited-State Intramolecular Proton Transfer**
Toshiki Mutai (Univ. of Tokyo)
- 13:50-14:10 **Fabrication of Functional Coordination Polymers from Photoreactive Ionic Liquids**
Tomoyuki Mochida (Kobe Univ.)
- * 14:10-14:40 **Luminescent Gold-Containing Molecular Photofunctional Materials**
Vivian W.-W. Yam (Univ. of Hong Kong)
- 14:40-15:00 **Photochromic and thermochromic metal complex crystals -structure and multi-color chromic properties-**
Haruki Sugiyama (Keio Univ.)
- 15:00-15:20 ***In situ* Control of Photochromic Reaction of Spiropyran Derivatives by Crystalline-State Isomerization of "Dual Photoreactive Complex"**
Akiko Sekine (Tokyo Tech.)

15:20-15:40 **Porous Molecular Conductors: Conductive Soft Crystals Self-Assembled from Coordination Polymers with π -Radicals**
Hiroaki Iguchi (Tohoku Univ.)

16:00- **Excursion**

DAY3: July 14

8:30-8:50 **Excited-State Dynamics of Metallophilic Oligomers Triggered by Bond Formations among Metal Atoms**
Munetaka Iwamura (Toyama Univ.)

8:50-9:10 **High-Contrast Mechanochromic Luminescence of Organic Soft Crystals**
Suguru Ito (Yokohama National Univ.)

9:10-9:30 **Linearly Polarized Luminescence of Europium with Amphiphilic Naphthalene Based Complexes of the Layered-Molecular Films**
Miki Hasegawa (Aoyama Gakuin Univ.)

9:40- **Closing remarks**