

Time Table of ISLCC2016

11:30- **Registration**

12:00-13:00 **Poster session I**

13:00 **Opening Remarks** (Miki Hasegawa)

Chair: Miki Hasegawa, Aoyama Gakuin University, Japan

13:05-13:35 **Jean-Claude G. Bünzli**, Swiss Federal Institute of Technology, Switzerland

Lanthanide Coordination Chemistry: from Old Concepts to Self-assembly Processes

13:35-14:05 **Stéphane Petoud**, University of Geneva, France

Near-infrared Emitting Lanthanide Complexes and Nanomaterials: Designs for Optical Biological Imaging

Chair: Yuko Hasegawa, Tokyo University of Science, Japan

14:05-14:35 **Kenneth L. Nash**, Washington State University, USA

Advancing the Basic Science of TALSPEAK-based Separations of f-Elements

14:35-15:05 **Linfeng Rao**, Lawrence Berkeley National Laboratory, USA

Comparative Chemistry of Lanthanide Complexation with Nitrate in Water and RTIL

15:05-15:45 **Coffee Break & Poster session II**

Chair: Satoshi Shinoda, Osaka City University, Japan

15:45-16:15 **Luís António Dias Carlos**, University of Aveiro, Portugal

Lanthanide-containing Multifunctional Materials for Green Photonics

16:15-16:45 **Karsten Gloe**, TU Dresden, Germany

4-Acylpyrazolones: An Old Ligand Family with a New Coordination Mode

Chair: Yasuchika Hasegawa, Hokkaido University, Japan

16:45-17:15 **Stefan Lis**, Adam Mickiewicz University, Poland

Synthesis, luminescent and structural properties of nanomaterials based on chosen inorganic matrices doped with Ln(III)

17:15-17:45 **Kenneth N. Raymond**, University of California, USA

Lanthanide Luminescence: From Basics to Business

17:45 **The Poster Award of ISLCC2016**

17:55 **Closing Remarks** (Yasuchika Hasegawa)

Poster sessions

12:00-13:00 & 15:05-15:45

- P01 Saki Nakashima, Wataru Yamada, Takahiro Morikawa, Shinji Harada, Atsushi Nishida (Chiba University)

Development of Chiral Holmium Catalyst for Enantioselective Diels-Alder Reaction

- P02 Munetaka Iwamura, Taka-aki Uchida, Kazuhiro Okutani, Koichi Nozaki (University of Toyama)

Chiral Sensing of Amino Acids in Aqueous Solution Using Induced Circularly Polarized Luminescence from Eu(III) Complexes

- P03 M. Hatakeyama, H. Okamura, H. Nagatani, Y. Nishiyama, K. Shimojo, H. Naganawa, Hisanori Imura (Kanazawa University)

Extraction Equilibrium of Lanthanoid(III) Ions with β -Diketones and Hydrophobic Oxygen Donors in an Ionic Liquid

- P04 Kojiro Shimojo, Tsuyoshi Sugita, Hiroyuki Okamura, Hirochika Naganawa (Japan Atomic Energy Agency)

Diglycolamic Acid-type Extractant for Rare-earth Elements

- P05 Yuki Morishima, Takuya Sagami, Hiroyuki Miyake, Satoshi Shinoda (Osaka City University)

Luminescence and self-assembly of lanthanide chelate complex containing cholesteryl group

- P06 Sohei Kotani, Matthias Mastalir, Ayumi Ishii, Linert Wolfgang, Miki Hasegawa (Aoyama Gakuin University)

Substitution Effect on Eu complexes with Phenyl Terpyridine derivatives

- P07 Satoshi Wada, Yuichi Kitagawa, Takayuki Nakanishi, Koji Fushimi, Yasuhiro Morisaki, Koji Fujita, Katsuaki Konishi, Katsuhisa Tanaka, Yoshiki Chujo, Yasuchika Hasegawa (Hokkaido University)

The relationship between the Faraday effect and molecular chirality of Tb(III) clusters with chiral ligands

- P08 Svetlana V. Eliseeva, Ivana Martinic, Tu Nguyen, Vincent L. Pecoraro, Stéphane Petoud (Centre de Biophysique Moléculaire CNRS UPR 4301)

Lanthanide-Based Metallacrowns for Near-infrared Optical Imaging of Necrotic Cells

- P09 Shuhei Ogata, A. Ishii, C. L. Lu, T. Kondo, N. Yajima, M. Hasegawa (Aoyama Gakuin University)
Luminescence of lanthanide complexes with deuterated phenanthroline
- P10 Yuki Hasegawa, Ayumi Ishii, Miho Hatanaka, Miki Hasegawa (Aoyama Gakuin University)
Emission Enhancement of a Europium Complex Having a Helical Molecular Structure in Ionic Liquids
- P11 Takuya Sagami, Hiroyuki Miyake, Satoshi Shinoda (Osaka City University)
Assembly Dynamics and Emission of Asymmetric Amphiphilic Cyclen - Lanthanide Complexes
- P12 Masanori Yamamoto, Takayuki Nakanishi, Yuichi Kitagawa, Koji Fushimi, Yasuchika Hasegawa (Hokkaido University)
Photophysical properties of lanthanide coordination polymers cross-linked with metal complexes
- P13 Yuichi Kitagawa, Satoshi Wada, Kei Yanagisawa, Takayuki Nakanishi, Koji Fushimi, Yasuchika Hasegawa (Hokkaido University)
Molecular Design Guidelines for Large Magnetic Circular Dichroism Intensities in Lanthanide Complexes
- P14 Soichi Mizushima, Shogo Yamane, Masato Mitani, Junya Uchida, Shuhei Ogata, Ayumi Ishii, Takashi Kato, Miki Hasegawa (Aoyama Gakuin University)
Luminescence Behavior of Helical Terbium Complexes with Mesogenic Ligands
- P15 Kazutoshi Shingu, M. Kaneko, S. Miyashita, S. Nakashima (Hiroshima University)
Analysis of complexation and separation behavior of lanthanides and americium with dithiocarbamate using DFT calculation
- P16 Sakurako Tamai, Kiyoshi Sato, Motowo Yamaguchi (Tokyo Metropolitan University)
Synthesis of Ruthenium-neodymium Dinuclear Complex and Control of the Ligand Exchange
- P17 Yosihaka Minai (Musashi University)
Formation of humate complexes and its utilization for separation and purification of trivalent rare earths and actinides

- P18 Kazuki Kondo, Ayumi Ishii, Miki Hasegawa (Aoyama Gakuin University)
Linearly Polarized Luminescence of Europium Complexes in the Langmuir-Blodgett film
- P19 Natsumi Itamoto, Kazuki Nakamura, Norihisa Kobayashi (Chiba University)
Circularly Polarized Luminescence Enhancement from Chiral Eu(III) Complex in DNA-surfactant Matrix
- P20 Naho Yajima, Ayumi Ishii, Miki Hasegawa (Aoyama Gakuin University)
Investigation of Luminescent Lanthanide Complexes Associated with the Molecular Symmetry
- P21 Ryunosuke Karashimada, Atsuko Masuya-Suzuki, Nobuhiko Iki (Tohoku University)
Effect of Alkyl Chain Length of Tripodal Amine on Pseudo-Helical Structure and Luminescence Property of Tripodal Schiff Base–Lanthanide Complexes
- P22 Yumiko Kataoka, Ikumi Tomotsuka, Maki Harai, Satoshi Shinoda, Takashi Kajiwara (Nara Women's University)
Ratiometric Anion Sensing and Luminescence Properties with Mixed-Ln(III) Complexes containing Pybox Ligands
- P23 Yuichi Hirai, Takayuki Nakanishi, Yuichi Kitagawa, Koji Fushimi, Yasuchika Hasegawa (Hokkaido University)
Development of luminescent Eu(III) coordination compounds with glass-formation ability
- P24 Keita Kuribara, Masahiko Matsumiya, Katsuhiko Tsunashima (Yokohama National University)
Solvation structure and thermodynamics for Pr(III), Nd(III) and Dy(III) complexes in ionic liquids evaluated by Raman spectroscopy and DFT calculation
- P25 Yuta Komiya, Kenji Kanazawa, Kazuki Nakamura, Norihisa Kobayashi (Chiba University)
Red Luminescence Modulation from Europium(III) Complex through Cyan-Magenta-Green Coloration of Electrochromic Viologen Derivatives
- P26 Takahiro Kondo, Ayumi Ishii, Miki Hasegawa (Aoyama Gakuin University)
Development of a fusion material of nacre layers dyed with green emissive terbium complexes
- P27 Miho Hatanaka (Kindai University)
Theoretical study of the thermosensitive luminescence of lanthanide compounds

P28 Daichi Iwasawa, Ayumi Ishii, Kuniyisa Sugimoto, Miki Hasegawa (Aoyama Gakuin University)

Metal - to - Metal Energy Transfer in a Mixed Crystal with two lanthanide complexes

P29 Takuma Kawaguchi, Ayumi Ishii, Miki Hasegawa (Aoyama Gakuin University)

Circularly Polarized Luminescence of a Tetradentate Europium Complex with L-Valine Derivative

P30 Ayumi Ishii, Miki Hasegawa (Aoyama Gakuin University)

Reduction-Induced Blue Emission System of Interfacial Europium Complex on SiO₂ Nanoparticles