

## Scientific Program

October 25, Saturday, 2025

### Registration

8:15~9:00 Registration

### Opening Remarks

Main hall  
9:00~9:10 Prof. Masahiro Goto (Kyushu University)

### Break

### Oral presentations

#### Main hall

Chairs: Prof. Jae Yeon Kim (Dong-A University)  
Prof. Soji Shimizu (Kyushu University)

9:15~9:25 **OP-1** Kevin Septioga (Kyushu University)  
"Selective Separation of Critical Metals in Two-Phase Leaching System Based on Hydrophobic Deep Eutectic Solvent and Oxidative Solution"

9:25~9:35 **OP-2** Viktoriya Kim (Pukyong National University)  
"Copper-Integrated Two-Dimensional Metal–Organic Frameworks as Efficient Fenton-Like Photocatalysts for Methylene Blue Degradation"

9:35~9:45 **OP-3** Kiyohiro Toyofuku (Kyushu University)  
"Ionic liquid formulations enabling transdermal delivery and organ targeting of nucleic acid drugs"

9:45~9:55 **OP-4** Gisang Park (Pusan National University)  
"Phase-Dependent Selectivity of MnO<sub>2</sub> for Oxygen Evolution under Simulated Seawater Conditions"

9:55~10:05 **OP-5** Kina Ouchida (Kyushu University)  
"*N*-Arylation of Tertiary Amines Using Unsymmetrical Diarylchloronium Salts"

10:05~10:15 **OP-6** Ingram Tan (Kyushu University)  
"Drug Delivery using Tumor-penetrative Peptide Amphiphile Nanofibers"

#### Conf. room-11

Chairs: Prof. SeCheol Oh (Pusan National University)  
Prof. Hirofumi Akamatsu (Kyushu University)

9:15~9:25 **Break**

- 9:25~9:35      **OP-7**    Taisei Koga (Kyushu University)  
 "Development of a high-throughput screening system for identifying novel mutants with enhanced enzyme activity"
- 9:35~9:45      **OP-8**    Jinhwan Park (Dong-A University)  
 "Single-Flask Mn(I)-Catalyzed C–H Dienylation and Cycloaddition for the Synthesis of Biologically Relevant Indole–Cyclohexene Hybrids"
- 9:45~9:55      **OP-9**    Kohei Kanazaki (Kyushu University)  
 "Transcriptional Activity Screening of Environmental Chemicals for Androgen Receptor"
- 9:55~10:05     **OP-10**   Adistya Maulidya (Pusan National University)  
 "MnFe<sub>2</sub>O<sub>4</sub>- Cu<sub>x</sub>S<sub>y</sub> Photo-Fenton catalyst for Dye degradation"
- 10:05~10:15    **OP-11**   Nutnicha Boonmong (Kyushu University)  
 "Engineering Sterically Protected  $\pi$ -Electron Systems for Efficient Ultraviolet-to-Visible Photon Upconversion in Solution"

### **Break**

### **Poster Presentations**

- Event Hall  
 10:30~12:00    Presentations are given in 45-minute slots, alternating between odd and even numbers.

### **Lunch**

- 12:00~13:00    Conf. room-11 • Event Hall • Sea Lounge (for KCS)

### **Invited Lectures**

- Chairs: Prof. Songyi Lee (Pukyong National University)  
 Prof. Takuro Niidome (Kumamoto University)
- 13:00~13:20    **IL-1**    Prof. Jae Yeon Kim (Dong-A University)  
 "Nickel-Catalyzed Enantioselective Reductive Couplings of 1,3-Dienes with Aldehydes and Imines Exhibiting Unprecedented Regiochemical Course"
- 13:20~13:40    **IL-2**    Prof. Toshikazu Ono (Kyushu University)  
 "Development of Bright Tetra-BF<sub>2</sub> Mechanophores for Stress Visualization in Polyurethane Elastomers"

13:40~14:00 **IL-3** Prof. Minseok Kwak (Pukyong National University)  
"Amphiphilic oligonucleotides interacting with cell membrane:  
experimental and computational studies"

#### **Break**

14:10~14:30 **IL-4** Mr. Takahiro Sakamoto (Mitsubishi Chemical Corporation)  
"Mitsubishi Chemical's Initiatives for SDGs Using Ion Exchange Resins"

14:30~14:50 **IL-5** Prof. Achmad Yanuar Maulana (Dong-A University)  
" Taming Volume Expansion in Conversion-Type Electrodes for  
Secondary Batteries with Graphitic Carbon"

14:50~15:10 **IL-6** Prof. SeCheol Oh (Pusan National University)  
"Discovery of Selective Inhibitors for the Lysosomal Parkinson's Disease  
Channel TMEM175"

#### **Photo and Break**

Chairs: Prof. Myeongkee Park (Pukyong National University)  
Prof. Toshikazu Ono (Kyushu University)

15:30~15:55 **IL-7** Prof. Haesik Yang (Pusan National University)  
"Electrochemical Biosensors Using Catalytic Reactions"

15:55~16:20 **IL-8** Prof. Takuro Niidome (Kumamoto University)  
"Disulfiram-encapsulated PLGA Nanoparticles for Treatment of  
Inflammatory Diseases"

#### **Plenary Lecture**

Chair: Prof. Makoto Tokunaga (Kyushu University)  
16:20~17:10 **PL-1** Prof. Keiji Maruoka (Kyoto University)  
"Design of New Organoradical Catalysts for Late-Stage Functionalization"

#### **Award Ceremony**

17:10~17:30

#### **Closing Ceremony**

17:30~17:40 Prof. Ken Onda (Kyushu University)

**Banquet**

18:30~20:30

"Hachikura, JR Kyushu Station Hotel Kokura" (for professors)

18:30~21:00

"Toriton" (for students)