

# 2024 SNU-HU Joint Symposium

July 8, 2024 Suzuki Hall, Frontier Research in Applied Sciences Building

## Morning session

- 8:40 Icebreaking
- 9:10 **Opening remark: Prof. Ryuji KIKUCHI (Chair, HU)**  
**Chairpersons: Jong Hun KANG (SNU), Isao OGINO (HU)**
- 9:20 **Yoshitaka AOKI (Professor, HU)**  
*"Green ammonia synthesis by solid oxide electrolysis cells with hydride ion conducting materials" (\*Preferred time: Morning session)*
- 9:40 **Yung-Eun SUNG (Professor, SNU)**  
*"Electrocatalysts for fuel cell and electrolyzer"*
- 10:00 **Hiroshi KIKUKAWA (Associate Professor, HU)**  
*"Microbial production and evaluation of functional lipids" (\*Preferred time: Morning session)*
- 10:20 **Sang Woo SEO (Associate Professor, SNU)**  
*"Microbial Synthetic Biology"*
- 10:40 Break
- Chairpersons: Kyu Tae LEE (SNU), Akira MIURA (HU)**
- 10:50 **Ryuji KIKUCHI (Professor, HU)**  
*"Electrochemical CO<sub>2</sub> conversion to hydrocarbon and alcohol at intermediate temperatures" (\*Preferred time: Morning session)*
- 11:10 **Dae-Hyeong KIM (Professor, SNU)**  
*"Flexible, Foldable, and Stretchable QLEDs"*
- 11:30 **Hajime ITO (Professor, HU)**  
*"Innovative Mechanochemical Organic Synthesis: Highlights from Our Latest Research"*
- 11:50 **Dongwon YOO (Associate Professor, SNU)**  
*"Heterogeneous Photoredox Catalysis for Chemical Synthesis"*
- 12:10 Photo
- 12:20 Lunch (SDGs Oasis room)

## Afternoon session

- Chairpersons: Jungwook Kim (SNU), Isao OGINO (HU)**
- 13:30 **Yousung JUNG (Professor, SNU)**  
*"Inorganic Crystal Structure Generation and Synthesizability Predictions using AI"*
- 13:50 **Akira MIURA (Associate Professor, HU)**  
*"Martensite transformation of a sodium yttrium chloride"*
- 14:10 **Joon Hak OH (Professor, SNU)**  
*"Harnessing Multiscale Chirality in Organic Semiconductors for Advanced Optoelectronics"*
- 14:30 **Toshifumi SATOH (Professor, HU)**  
*"One-step synthesis of sequence-controlled multiblock polyesters from monomer mixture" (\*Preferred time: Afternoon session)*
- 14:50 Closing remarks: **Prof. Jong-Chan Lee (Chair, SNU)**