

2024 CeT Student Conference

DATE 10th Jan 2024 (Wed)

VENUE Mokam Hall, Bldg 500.

SESSION 1: SPECTROSCOPIC TECHNIQUES FOR HETEROGENEOUS INTERFACE

Opening Remark (10:20–10:30)

- Suhwan Yoo**
10:30–11:00 Understanding Electrocatalytic Reactions through Attenuated Total Reflection Surface-Enhanced Infrared Absorption Spectroscopy
- Hyun-Hang Shin**
11:00–11:30 Spectroscopic Studies on Vibrational Energy Transfer by Hot-Carriers
- Danbi Lee**
11:30–12:00 Spectroscopic Studies on Current-Carrying Molecules in Nanoscale Light-Emitting Diodes

Lunch (12:00–13:30)

SESSION 2: CHEMISTRY IN BIOLOGICAL SYSTEMS

- Yongjoo Park**
13:30–14:00 Structure-Based Bioinformatics for the Discovery of Novel RiPPs Classes
- Bonghyun Koh**
14:00–14:30 RNA Polymerase-Based Gene-Specific Mutators for Continuous Directed Evolution
- Jaewon Lee**
14:30–15:00 Dioxygen Activation of Ce(III)-Binding Motif for Site-Specific Oxidative Cysteine Modification
- Minjung Han**
15:00–15:30 Redesign of Glutamate Oxidase for Electrochemical Biosensing of Excitatory Neurotransmitters via Mediated Electron Transfer

Coffee Break (15:30–15:50)

SESSION 3: ANALYTICAL AND SYNTHETIC ELECTROCHEMISTRY

- Chang Il Shin**
15:50–16:20 Simultaneous Mapping of Topography and Surface Charge Density with Scanning Ion Conductance Microscopy
- Haeyeon Lee**
16:20–16:50 Optimization of 3D-Interdigitated Array Electrodes System for Enhanced Electrochemical Signal Amplification
- Eunchong Lee**
16:50–17:20 Electrochemical Biomass Upgrading of 5-Hydroxymethylfurfural to 2,5-Furandicarboxylic Acid Under Mild Alkaline Media

Closing Remark (17:20–17:30)

Organizers

Sunghwan Won (Prof. Taek Dong Chung's group)
Danbi Lee (Prof. Zee Hwan Kim's group)
Jaewon Moon (Prof. Woon Ju Song's group)
Suhwan Yoo (Prof. Yun Jeong Hwang's group)
Yongjoo Park (Prof. Seokhee Kim's group)
Center for Electron Transfer

Supporting Program



Center for
Electron Transfer
전자전달 연구센터

LGES–SNU Science Center