

NU-PKU Workshop, Nagoya 2019
"Solid-State Electrochemistry for Coordination Complexes"
28th-29th January 2019, Nagoya University, Japan

Monday 28th, Jan.

Lecture Hall, Noyori Materials Science Laboratory, Higashiyama Campus,
Nagoya University

- 9:00 – 9:30 Registration
- 9:30 – 9:40 Opening Remarks: **Kunio Awaga** (Nagoya University)
- Chair: Dr. Zhongyue Zhang (Nagoya University)*
- 9:40 – 10:10 **Prof. Shangda Jiang** (Peking University)
 "Coherent Control in Molecular Qubits"
- 10:10 – 10:40 **Prof. Mizuki Tada** (Nagoya University)
 "3D Imaging of Heterogeneous Catalysts"
- 10:40 – 11:00 Coffee Break (20 min.)
- Chair: Prof. Hirofumi Yoshikawa (Kwansei Gakuin University)*
- 11:00 – 11:30 **Prof. Ji Eon Kwon** (Seoul National University)
 "Three-Dimensional Molecular Design to Facilitate Multi-Electron Redox for
 High Performance Organic Electrode Materials"
- 11:30 – 12:00 **Prof. Jie Zheng** (Peking University)
 "Air Plasma Modification of Prussian Blue Analogs for Electrochemical Water
 Oxidation"
- 12:00 – 12:15 **Dr. Naibo Chen** (Zhejiang University of Technology)
 "Ionic Liquid-Based Solid Polymer Electrolyte: Electrochemical Performance
 and Application"
- 12:15 – 12:25 Group Photograph of Workshop Participants
- 12:25 – 13:30 Lunch

Chair: Prof. Shangda Jiang (Peking University)

- 13:30 – 14:00 **Prof. Hitoshi Miyasaka** (Tohoku University)
“Porous Magnets for Gas Sensing”
- 14:00 – 14:30 **Prof. Bingwu Wang** (Peking University)
“Low Coordinated Single Ion Magnets”
- 14:30 – 15:00 **Prof. Dahui Zhao** (Peking University)
“Toward Stable Hydrocarbon Polyradical Molecules”
- 15:00 – 15:20 Coffee Break (20 min.)

Chair: Prof. Ji Eon Kwon (Seoul National University)

- 15:20 – 15:50 **Prof. Wenjing Hong** (Xiamen University.)
“Quantum Interference in the Charge Transport Through Single-Molecule Devices”
- 15:50 – 16:05 **Dr. Yoshiaki Shuku** (Nagoya University)
“Rigid Honeycomb Crystal Structures Formed by Redox Active Triptycene Derivatives”
- 16:05 – 16:20 **Dr. Seiya Yokokura** (Nagoya University)
“Photo Induced Polarization Current in MISIM-Type Photocell”
- 16:20 – 16:50 **Prof. Jiyoung Shin** (Nagoya University)
“Electrochemistry of Antiaromatic NiNC”
- 17:30 – 19:30 Banquet: Hananoki

Tuesday 29th Jan.

Lecture Hall, Noyori Materials Science Laboratory, Higashiyama Campus,
Nagoya University

Chair: Prof. Hitoshi Miyasaka (Tohoku University)

- 09:15 – 09:45 **Prof. Lahcène Ouahab** (Université de Rennes)
“Single Molecule Magnets and Luminescence in Lanthanides Complexes with Redox Ligands.”
- 09:45 – 10:15 **Prof. Bingwen Hu** (East China Normal University)
“NMR and EPR for Metal-Ion Batteries (Li/Na-ion)”
- 10:15 – 10:30 **Dr. Jieun Jung** (Nagoya University)
“Ligand-Induced Tuning of the Photocatalytic Reactivity of New Tetradentate PNNP Iridium Complexes for CO₂ Reduction”
- 10:30 – 10:50 Coffee Break (20 min.)

Chair: Prof. Bingwu Wang (Peking University)

- 10:50 – 11:05 **Prof. Michio M. Matsushita** (Nagoya University)
“Redox-Tunable Molecular Network as a Model of Molecule-Based Integrated Circuit”
- 11:05 – 11:20 **Dr. Yang Wu** (Nagoya University)
“Electron Highways into Nanochannels of Covalent Organic Frameworks for High Electrical Conductivity and Energy Storage”
- 11:20 – 11:50 **Prof. Hirofumi Yoshikawa** (Kwansei Gakuin University)
“Electrochemical Performances of Molecule-Integrated Systems”
- 11:50 – 12:00 Closing Session
- PM~ Excursion
Toyota Commemorative Museum of Industry and Technology