

Kyoto-Vienna Joint Workshop 2024 on Functional Coordination Compounds

7th/Feb/2024 (Wed)

@iCeMS Main Building Seminar Room, Kyoto University

Welcome address

13:00-13:10: Hiroyasu TUBE (iCeMS), Michael REITHOFER (University of Vienna)

Session 1: Coordination compounds for biological applications

Chairperson: Hiroyasu TUBE (iCeMS)

13:10-13:40: Michael REITHOFER (University of Vienna, Austria)

Towards applications of carbene stabilized metal nanoparticles

13:40-14:10: Tomoko INOSE (iCeMS, Kyoto University, Japan)

Integration of plasmonic nanowire and MOFs toward single live-cell interrogation

Session 2: Metal-organic frameworks for environmental applications

Chairperson: Jia Min CHIN (University of Vienna, Austria)

14:15-14:45: Chung-Wei KUNG (National Cheng Kung University, Taiwan)

Electrochemically inactive sulfonate-functionalized metal-organic frameworks for electrochemical applications

14:45-15:15: Soracha KOSASANG (Graduate School of Science, Kyoto University)

Prussian blue analogue glasses for photo-induced CO₂ conversion

15:15-15:45: Kevin C.-W. WU (National Taiwan University, Taiwan)

MOFs-driven carbon neutral Society: Heterogeneous catalysts and power generation

15:45-15:50: Group photo, Coffee break

Session 3: Structurization/structure analysis of metal-organic frameworks

Chairperson: Shuhei FURUKAWA (iCeMS, Kyoto University, Japan)

16:10-16:40: Hirotohi SAKAMOTO (iCeMS, Kyoto University, Japan)

Visualization of molecular adsorption propagation inside metal-organic framework single crystals

16:40-17:10: Jia Min CHIN (University of Wien, Austria)

Exploiting physicochemical interactions for MOF and materials assembly

Closing Remarks

17:10-17:15: Shuhei FURUKAWA (iCeMS)