

iCeMS-ERATO Symposium

New Dimensions of Functional Coordination Frameworks

27th July (Fri.)

10:00-10:10 Opening Remarks: **Shuhei FURUKAWA** (*Kyoto University*)

Session 1, Chairperson: Ryotaro MATSUDA (ERATO, JST)

10:10-10:50 **IL-1** **Stefan KASKEL** (*University of Technology Dresden*)
Mesoporous and Chiral Metal-Organic Frameworks

10:50-11:30 **IL-2** **Freek KAPTEIJN** (*Delft University of Technology*)
NH₂-MIL-53, a versatile MOF: from gas separation to optical applications

11:30-13:00 *Lunch*

Session 2, Chairperson: Takashi UEMURA (Kyoto University)

13:00-13:40 **IL-3** **George K.H. SHIMIZU** (*University of Calgary*)
Routes to more water stable coordination polymer materials

13:40-14:10 **ISL-1** **Shin-ichiro NORO** (*Hokkaido University*)
Synthesis and characterization of porous copper(II) coordination compounds with inorganic fluorinated anions

14:10-14:50 **IL-4** **Pascal D. C. DIETZEL** (*University of Bergen*)
Structure-property relationships linking crystal structure determinations of host-guest compounds and gas adsorption experiments

14:50-15:20 *Coffee Break*

Session 3, Chairperson: Stéphane DIRING (Kyoto University)

15:20-16:00 **IL-5** **Jong-San CHANG** (*Korea Research Institute of Chemical Technology*)
Porous Metal(III) Carboxylates as Multifunctional Adsorbents and Catalytic Materials

16:00-16:30 **ISL-2** **Pierangelo METRANGOLO** (*NFMLab-DCMIC "Giulio Natta"*)
Dynamically Porous Materials based on Halogen Bonding

16:30-17:10 **IL-6** **Russell MORRIS** (*University of St Andrews*)
Hemilabile and Switchable Metal-Organic Frameworks

17:10-17:20 Closing Remarks: **Susumu KITAGAWA** (*Kyoto University*)

18:30-20:30 *Dinner*

IL: Invited Lecture
(40 min. talk including discussion)

ISL: Invited Short Lecture
(30 min. talk including discussion)