## The 2<sup>nd</sup> Kyoto Advanced Porous Science (KAPS) Symposium - Multiscale functions in molecular architectures -

10<sup>th</sup>/August/2023 (Thursday)

iCeMS Main Building Seminar Room, Kyoto University

## Program

9:30-9:35: Opening Remarks, Satoshi Horike (Kyoto University) 9:35-9:45: Welcome Address, Susumu Kitagawa (Kyoto University)

Chairperson: Satoshi Horike

9:45-10:20: Carl Brozek (University of Oregon)

*Giant redox entropy and dynamic bonding in nanoscale MOFs* 

10:20-10:55: Akiko Yagi (Nagoya University)

Development of molecular synthetic methodologies for creation of novel carbon materials

10:55-11:30: Wei-Xiong Zhang (Sun Yat-sen University) Nonlinear optical Glass-ceramics from polar phase-transition organic-inorganic hybrid crystals

11:30-12:05: Megumi Mukoyoshi (Kyoto University) Investigation of MOF-based composites with nanoparticles via MOF thermal decomposition

12:05-13:30: Lunch

Chairperson: Daisuke Tanaka (Kwansei Gakuin University)

13:30-14:05: Guillaume Maurin (Université de Montpellier)

Computational-aided development of MOF sorbents and membranes for molecular adsorption/separation

14:05-14:40: Tomoyuki Mochida (Kobe University)

Formation of coordination polymers from organometallic liquids

14:40-15:15: Liyuan Qu (Nagoya University)

Porous molecular conductors assembled by electrochemical reduction of naphthalenediimide-based ligands

15:15-15:30: Coffee Break

Chairperson: Thidarat Imyen (Kyoto University)

15:30-16:05: Nobuhiko Hosono (The University of Tokyo)

Metal–organic frameworks for ultimate polymer recognition and separation technology

16:05-16:40: Ming-Hua Zeng (Guangxi Normal University)

Sequential perturbation for systematic designing and tuning of MOF super-cooled liquid and glasses

16:40-16:45: Closing Remarks, Shuhei Furukawa (Kyoto University)