The 1st Kyoto Advanced Porous Science (KAPS) Symposium -A new discovery in confined space-

28th/March/2023 (Tuesday)

@iCeMS Main Building Seminar Room, Kyoto University

Program

9:40-9:50: Opening Remarks, Shuhei Furukawa (Kyoto University, Japan) 9:50-10:00: Welcome Address, iCeMS Director Susumu Kitagawa

Chairpersons: Hirotoshi Sakamoto, Tomoko Inose

10:00-10:30: Ichiro Hisaki (Osaka University, Japan)

Porous crystalline frameworks constructed through intermolecular hydrogen bonds of carboxy groups

10:30-11:00: Hiroshi Sato (RIKEN, Japan) Shape-shifting porous crystals

11:00-11:30: Watcharop Chaikittislip (NIMS, Japan) Nanoporous materials × AI: Accelerating the experimental exploration by a data-driven approach

11:30-12:00: Yumi Yakiyama (Osaka University, Japan) Molecular Shape-organized Crystalline Hosts

12:00-13:10: Lunch

<u>Chairpersons: Masakazu Higuchi, Kentaro Kadota</u> 13:10-13:20: Short Speech: Daisuke Tanaka (Kwansei Gakuin University, Japan) 13:20-13:30: Short Speech: Yifan Gu (Tongji University, China)

13:30-14:00: Susumu Kitagawa (Kyoto University, Japan) PCP/MOF as a Soft Porous Crystal

14:00-14:30: Midori Akiyama (Kyoto University, Japan)

Perfluorocubane: A Novel Electron Acceptor

14:30-15:00: Koh Sugamata (Rikkyo University, Japan)

Approach toward Improving Gas Storage of Porous Coordination Polymers Using Organic Synthesis

15:00-15:30: Coffee Break

<u>Chairpersons: Ken-ichi Otake, Thidarat Imyen</u> 15:30-16:00: Yuiko Handa (Saitama University, Japan) *Metal-mediated crystalline assembly of phophoesters for separation and detection systems*

16:00-16:30: Kenji Okada (Osaka Metropolitan University, Japan) Oriented MOF film with anisotropic optical, electrical, and thermal properties

16:30-17:00: Hae Sung Cho (Chung-Ang University, Korea)

Physicochemical understanding of adsorption in porous crystal through gas adsorption crystallography

17:00-17:10: Satoshi Horike (Kyoto University, Japan)