

PROGRAM FOR THAILAND-JAPAN JOINT SYMPOSIUM

“Coordination Chemistry of Nanomaterials and Catalysis for Future”

The Kyoto University Joint Onsite Laboratory Symposium

11 February 2025 09:00 A.M. - 04:20 P.M. Prasert Phondee Room, 2nd Floor, Department of Civil Engineering, Faculty of Engineering, Kasetsart University

Registration



Schedule

9:00 A.M. – 9:20 A.M.

Registration

9:20 A.M. – 9:30 A.M.
Welcome Speech – Introduction of the University Situation and Connection/Internationalization

Prof. Dr. Wanchai Yodsudjai
Dean of Faculty of Engineering
Kasetsart University, Thailand



9:30 A.M. – 9:40 A.M.
Opening Remarks/Introduction of Kyoto University - Research and Internationalization

Prof. Dr. Susumu Kitagawa
Executive Vice President and Distinguished Professor
Kyoto University, Japan



9:40 A.M. – 9:50 A.M.
Welcome Speech – Introduction of Kasetsart University Institute for Advanced Studies, (KUIAS)

Prof. Dr. Kanapol Jutamane
Director of Kasetsart University Institute for Advanced Studies (KUIAS), Kasetsart University, Thailand



9:50 A.M. – 10:00 A.M.
Introduction for Kyoto-ASEAN relationship

Prof. Dr. Eiji Nawata
Director of the Kyoto University ASEAN Center
Kyoto University, Japan



10:00 A.M. – 10:10 A.M.
Brief Introduction of Kyoto University Onsite laboratories

Prof. Dr. Satoshi Horike
Faculty of Science / Institute for Integrated Cell-materials Science
Kyoto University, Japan



10:10 A.M. – 10:20 A.M.
Presentation Regarding the Opportunity for Bilateral Funding in Thailand

Dr. Pavadee Aungkavattana
Deputy Director of PMUB Funding Unit, Thailand



10:40 A.M. – 11:00 A.M.
“Rational Design of Nanocatalysts for the Transformation of CO₂ to Useful Chemicals”

Prof. Dr. Thongthai Witoon
Department of Chemical Engineering,
Kasetsart University, Thailand



11:00 A.M. – 11:20 A.M.
“Synthesis and Applications of Carbene-Stabilized Gold Nanoparticles”

Prof. Dr. Michael Reithofer
University of Vienna, Austria



11:20 A.M. – 11:40 A.M.
“Designing Amorphous Metal-Organic Frameworks”

Dr. Nattapol Ma
National Institute for Materials Science (NIMS), Japan



11:40 A.M. – 12:00 A.M.
“Dynamic control of MOFs and COFs”

Prof. Dr. Jia Min Chin
University of Vienna, Austria



12:00 P.M. – 01:20 P.M.
“Crystallization in Hybrid Organic-Inorganic Semiconductors: From Large Structures to Nanocrystals”

Asst. Prof. Dr. Watcharaphol Paritmongkol
School of Molecular Science and Engineering,
VISTEC, Thailand



13:20 P.M. – 01:40 P.M.
“MOF Catalysts for Plastics Depolymerisation”

Asst. Prof. Dr. Jason Y.C. Lim
IMRE, A*Star, Singapore / iCeMS,
Kyoto University, Japan



01:40 P.M. – 02:00 P.M.
“Synthesis of Functional Coordination Materials from CO₂”

Asst. Prof. Dr. Kentaro Kadota
Grad School of Science,
Kyoto University, Japan



02:50 P.M. – 03:10 P.M.
“Development of catalytic nanomaterials for ethanol utilization to high value-added chemicals”

Dr. Thidarat Imyen
Department of Chemical Engineering,
Kasetsart University, Thailand



03:10 P.M. – 03:30 P.M.
“Covalent Adaptable Networks as Green Membrane Materials”

Dr. Shermin S. Goh
IMRE, A*Star, Singapore



03:30 P.M. – 03:50 P.M.
“Flexible Porous Coordination Polymers for Efficient Gas Separation”

Assoc. Prof. Dr. Ken-ichi Otake
iCeMS, Kyoto University, Japan



03:50 P.M. – 04:10 P.M.
“Advanced zeolites for bioethanol upgrading”

Assoc. Prof. Dr. Chularat Wattanakit
School of Energy Science and Engineering, VISTEC, Thailand



04:10 P.M. – 04:20 P.M.
Closing Remark

Prof. Dr. Metta Chareonpanich
Director of Center for Advanced Studies in Nanotechnology for Chemical, Food and Agricultural Industries
Kasetsart University, Thailand

