

International Symposium on Advanced Catalysis and Material Science -7th international symposium of Institute for Catalysis-

Date: July 30th (Tuesday), 2019

Venue: Conference room at 5th floor, Institute for Catalysis, Hokkaido University

Organizer: Institute for catalysis, Hokkaido University

Program (tentative)

8:30-9:00 Registration

9:25-9:30 Opening remark by Prof. Jun-ya Hasegawa

Session A1 (Chair: Dr. Zhiyi Song)

9:30-10:10 Keynote Lecture 1 (Prof. Kotohiro Nomura, Tokyo Metropolitan University, Japan)

Title: Olefin Metathesis: Efficient Methods for Precise Synthesis of New Advanced Conjugated Polymers by Exclusive End-Modification

10:10-10:30 Tea Break

Session A2 (Chair: Prof. Tamaki Nakano)

10:30-11:10 Keynote Lecture 2 (Prof. Qiuling Song, Huaqiao University, China)

Title: Synthesis, Reactivities and Synthetic Applications of Organoboron Compounds

11:10-11:50 Keynote Lecture 3 (Prof. Adriana Pietropaolo, University of Catanzaro, Italy)

Title: Tuning the properties of chiral photoswitches jumping through their free-energy pathways

11:50-12:55 Group Photo

12:00-13:00 Lunch, 4F seminar room A

Session B1 (Chair: Prof. Shinya Furukawa)

13:10-13:30 Invited Lecture 1 (Prof. Jun-ya Hasegawa, ICAT, Japan)

Title: A DFT Mechanistic Study of Dehydrogenative Methane Coupling by Liquid Metal Indium

13:30-13:50 Invited Lecture 2 (Prof. Makoto Ogawa, VISTEC, Thai)

Title: Characterization of titania nanoparticles in a mesoporous silica (SBA-15)

13:50-14:10 Invited Lecture 3 (Dr. Sareeya Bureekaew, VISTEC, Thai)

Title: Mn-based Metal–Organic Framework with Strong Water Binding Ability and Its Potential for Dehydration of Ethanol/Water Mixture

14:10-14:30 Tea break

Session B2 (Chair: Prof. Ken-ichi Shimizu)

14:30-14:50 Invited Lecture 4 (Dr. Chularat Wattanakit, VISTEC, Thai)

Title: Potential of sustainable hierarchical zeolites in catalytic upgrading of biomass-derived compounds

14:50-15:10 Invited Lecture 5 (Prof. Bunsho Ohtani, ICAT, Japan)

Title: Fundamental Studies on Heterogeneous Photocatalysis to Go beyond Band-structure Model

15:10-16:40 Poster Presentation (In front of the Conference room)

Session A3 (Chair: Prof. Kiyotaka Nakajima)

16:40-17:10 Keynote Lecture 4 (Prof. Fa-Kuen Shieh, National Central University (NCU), Taiwan)

Title: Insights into MOF Chemical Biology

17:10-17:40 Keynote Lecture 5 (Dr. Ivo Filot, Eindhoven University of Technology, the Netherlands)

Title: Hierarchical Multiscale Catalytic Modelling: From the active site to the reactor

17:40-17:50 closing remarks

18:30-20:00 Banquet, Restaurant Popura, 1F of Sousei Hall

Registration:

Please send e-mail to Kiyotaka Nakajima or Zhiyi Song with your name, full affiliation, phone number, email address, and whether or not to attend the banquet. Deadline for registration of banquet is July 10 th.

Conference fee: Free of charge

Banquet fee: 5,000JPY for professors; 1,000JPY for students; 4,000JPY for others.

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