

2nd International Symposium on Precisely Designed Catalysts with Customized Scaffolding

Hankyu Sanwa Hall, Icho Kaikan, Osaka University Suita Campus

May 12 (Fri), 2017

- 9:40- 9:50** **Opening Remarks** by Kazushi Mashima (Osaka Univ.)
- 9:50- 10:40** **IN-1 Clark R. Landis** (University of Wisconsin-Madison, USA)
DiazaPhos Ligands and Enantioselective Catalysis
- 10:40-11:00** **OR-1 Yasuhiro Yamashita** (The University of Tokyo)
Development of Catalytic Carbon-Carbon Bond Forming Reactions
of Weakly Acidic Compounds Using Strong Bases as Catalysts
- 11:00-11:30** **OR-2 Masaya Sawamura** (Hokkaido University)
Catalysis with Polystyrene-Cross-Link Phosphine Ligands
- 11:30-14:30** **Lunch and Poster**
(odd numbers: 13:00-13:40, even numbers: 13:40-14:20)
- 14:30-15:20** **IN-2 Chien-Hong Cheng** (National Tsing Hua University, Taiwan)
Cobalt-Catalyzed Organic Reactions Involving C-H Bond Activation
- 15:20-15:40** **OR-3 Laurean Ilies** (The University of Tokyo)
Iron-Catalyzed C-H Activation of Simple Substrates
- 15:40-16:00** **OR-4 Takuya Kochi** (Keio University)
Chain Walking as a Strategy for Catalytic Organic Synthesis
- 16:00-16:20** **Coffee Break**
- 16:20-16:50** **OR-5 Kyoko Nozaki** (The University of Tokyo)
Catalysis toward Utilization of Renewable Resources
- 16:50-17:10** **OR-6 Junichiro Yamaguchi** (Waseda University)
Decarbonylative Coupling of Aromatic Esters
- 17:10-18:00** **IN-3 Theodor Agapie** (California Institute of Technology, USA)
Selective Ethylene Oligomerization Catalysis with Chromium
- 19:00-21:00** **Banquet**

May 13 (Sat), 2017

- 9:40-10:30** **IN-4 Thomas R. Ward** (University of Basel, Switzerland)
Endowing Organometallic Chemistry with a Genetic Memory
- 10:30-10:50** **OR-7 Nobutaka Fujieda** (Osaka Prefecture University)
Artificial Metalloenzymes with a Cupin Fold as a Versatile Ligand
- 10:50-11:10** **OR-8 Yoshio Hisaeda** (Kyushu University)
Bioinspired Catalysts with Vitamin B12 Function Activated by
Photochemical and Electrochemical Methods
- 11:10-11:40** **OR-9 Osami Shoji** (Nagoya University)
Development of Biocatalysts for Extremely Difficult Oxidation
Reactions
- 11:40-13:40** ***Lunch and Poster*** (free presentation)
- 13:40-14:30** **IN-5 Qi-Lin Zhou** (Nankai University, China)
The Privileged Chiral Spiro Catalysts
- 14:30-15:00** **OR-10 Kazuaki Ishihara** (Nagoya University)
Rational Design of Chiral Brønsted Acid Catalysts for
Enantioselective Reactions
- 15:00-15:20** **OR-11 Tetsuaki Fujihara** (Kyoto University)
Remarkable Ligand Effect on Copper-Catalyzed Boraformylation
and Silaformylation of Allenes
- 15:20-15:40** **OR-12 Mitsuhiro Arisawa** (Osaka University)
Recyclable, Low-Leaching, and Ligand-Free Suzuki–Miyaura
Coupling Using Ruthenium(0) Nanoparticles
- 15:40-16:30** **IN-6 Jean-François Carpentier** (University of Rennes 1, France)
Highly Reactive Heavy Alkaline-Earth Complexes for
Hydroelementation and Dehydrocoupling Catalysis
- 16:30-** **Closing Remarks** by Nobuharu Iwasawa (Tokyo Inst. Tech.)