

The 2nd Japan Germany Singapore Trilateral Symposium on Precision Synthesis and Catalysis
Kinsho Hall in Todaiji Culture Center

Dec. 2 (Mon)

9:00–9:10		Opening Remarks by Kazushi Mashima (Osaka University)			
		Chairman : Ken-ichi Fujita (Kyoto University)			
9:10–9:40	GO 1	Armido Studer	Westfälische Wilhelms University	N-Radicals: past, presence and future	
9:40–10:10	SO 1	Choon Hong Tan	Nanyang Technological University	Halogen Bonding in Chiral Cation Catalysis	
10:10–10:30	JO 1	Ken Kamikawa	Osaka Prefecture University	Stereoselective Synthesis of Multiple Helicenes	
10:30–10:50	JO 2	Masahiro Miura	Osaka University	Construction of Polycyclic Heteroaromatic Compounds by Catalytic Direct Coupling	
Coffee Break		10: 50–11: 20			
		Chairman : Tetsuya Satoh (Osaka City University)			
11:20–11:50	GO 2	F. Ekkehardt Hahn	Westfälische Wilhelms University	Synthesis of Metallosupramolecular Assemblies from Poly-N-Heterocyclic Carbene (poly-NHC) Ligands and their Postsynthetic Modification	
11:50–12:10	JO 3	Ken-ichi Fujita	Kyoto University	Synthesis of Acetic Acid Based on Dehydrogenation of an Ethanol-Water Solution Catalyzed by an Iridium Complex Bearing a Functional Ligand	
12:10–12:30	JO 4	Sensuke Ogoshi	Osaka University	Nickel-Catalyzed Multi Components Coupling Reaction of Tetrafluoroethylene, Ethylene, and More	
12:30–13:00	GO 3	Albrecht Berkessel	Cologne University	Catalytic Synthesis with Carbenes and Titanium	
Lunch Break		13: 00–14: 40			
		Chairman : Ken Kamikawa (Osaka Prefecture University)			
14:40–15:10	SO 2	Jie Wu	National University of Singapore	Micro-Tubing Reactor-Assisted Photochemical Transformations Using Natural Gas, Alkanes, and Silanes as Feedstocks	
15:10–15:30	JO 5	Michinori Suginome	Kyoto University	Chiral Weak Non-bonding Interaction as a Source of Chirality in Highly Enantioselective Asymmetric	
15:30–15:50	JO 6	Nobuharu Iwasawa	Tokyo Institute of Technology	Re(I)-Catalyzed Generation of α,β -Unsaturated Carbene Complex Intermediates from Propargyl	
15:50–16:20	SO 3	Yu Zhao	National University of Singapore	Catalytic Enantioselective Redox-Neutral Processes for Efficient Chemical Synthesis	
Coffee Break		16: 20–16: 45			
		Chairman : Yoshiaki Nakao (Kyoto University)			
16:45–17:15	GO 4	Jun Okuda	RWTH Aachen University	Molecular Hydrides of Electropositive Metals: From Hydrogen Storage to Homogeneous Catalysis	
17:15–17:35	JO 7	Takashi Hayashi	Osaka University	Biohybrid Catalysts by Apoprotein as a Reaction	
17:35–17:55	JO 8	Naoto Chatani	Osaka University	Catalytic Functionalization of Unreactive Bonds	

Dec. 3 (Tue)

		Chairman : Shin Takemoto (Osaka Prefecture University)			
9:30–10:00	GO 5	Reiner Anwander	University of Tübingen	Rare-Earth Metal Promoted Cascade C–H-Bond Activation	
10:00–10:30	SO 4	Shunsuke Chiba	Nanyang Technological University	Photo-induced aryl cross-coupling	
10:30–10:50	JO 9	Kyoko Nozaki	The University of Tokyo	Toward Efficient Utilization of Renewable Resources: Ligand Contribution to Late Transition Metal Mediated Reactions	
Coffee Break		10: 50–11: 15			
		Chairman : Shigeki Matsunaga (Hokkaido University)			
11:15–11:45	SO 5	Han Sen Soo	Nanyang Technological University	Artificial Photosynthesis by Photocatalytic Carbon-Carbon Bond Cleavage and Functionalization	
11:45–12:05	JO 10	Masaya Sawamura	Hokkaido University	Asymmetric Synthesis of α -Aminoborates via Rhodium-Catalyzed Enantioselective C(sp ³)-H	
12:05–12:25	JO 11	Kazushi Mashima	Osaka University	Salt-free Reduction of Transition Metal Complexes for Generating Catalytically Active Species	
12:25–12:30	Closing Remarks by Jun Okuda (RWTH Aachen University)				
Lunch Break		12: 30 –13: 40			

* Lunch is included in the registration fee.