

PCOSS-ICAT Joint International Symposium on Catalysis Science for Sustainable Society

Organizers:

State Key Laboratory of Physical Chemistry of Solid Surfaces, College of Chemistry and Chemical Engineering (PCOSS), Xiamen University, Xiamen 361005, China

Institute for Catalysis (ICAT), Hokkaido University, Sapporo N21, W10, 001-0021, Japan

Chairs:

Prof. Ye Wang (PCOSS, Xiamen University)

Prof. Kenichi Shimizu (ICAT, Hokkaido University)

Conference Venue: Room 202, Lujiaxi Building, Xiamen University

Banquet: Huazhilin Restaurant (December 9, 2016)

Program

Day 1(December 9, 2016)

8:50-8:55 Opening address Kenichi Shimizu (Hokkaido University)

8:55-9:00 Welcome address Ye Wang (Xiamen University)

Chair: Ye Wang (Xiamen University)

9:00-9:40 Atsushi Fukuoka (Hokkaido University) Biomass Conversion by Heterogeneous Catalysts

9:40-10:20 Chunshan Song (Pennsylvania State University) Catalysis and Sorption Separation in CO₂ Capture and Conversion Using Nano-porous Materials for Sustainable Energy Development

10:20-10:30 Coffee

Chair: Keiichi Tomishige (Tohoku University)

10:30-11:10 Haichao Liu (Peking University) Insight into the Active Acid Sites for Selective Conversion of Cellulose and its Derivatives on Zeolites

11:10-11:50 Peng Wu (East China Normal University) Design and Synthesis of Highly Effective Metallosilicate Catalysts for Selective Oxidations

11:50-12:30 Youzhu Yuan (Xiamen University) Non-noble Bimetallic Catalysts for Lignin Upgrade with Product Tunability

12:30-13:30 Lunch

Chair: Kazuhiro Takanabe (KAUST)

13:30-14:10 Keiichi Tomishige (Tohoku University) Heterogeneous Rhenium Catalysts for Deoxydehydration of Polyols with Hydrogen

14:10-14:50 Gang Fu (Xiamen University) New Insight of Catalytic Hydrogenation at the Metal/Metal Oxide and Metal/Organic Interfaces

14:50-15:30 Minkee Choi (KAIST) Application of 'Poisonous' Catalyst Support for Achieving High Chemoselectivity and Catalyst Lifetime

Chair: Youzhu Yuan (Xiamen University)

- 15:30-16:10 Masaaki Kitano (Tokyo Institute of Technology) Ammonia Synthesis using Inorganic Electride Catalysts
- 16:10-16:50 Ning Yan (National University of Singapore) Pt Single-atom Catalysis: Structure, Stability and Reactivity
- 17:00-19:00 Poster session
- 19:30 Banquet

Day 2 (December 10, 2016)

Chair: Wenjie Shen (Dalian Institute of Chemical Physics)

- 9:00-9:40 Kazuhiro Takanabe (KAUST) Recent Progress in Research on Hydrogen Generation and Transport at KAUST Catalysis Center (KCC)
- 9:40-10:20 Jinglong Gong (Tianjin University) Effective Charge Carrier Utilization in Photocatalytic Conversions
- 10:20-10:30 Coffee

Chair: Kenichi Shimizu (Hokkaido University)

- 10:30-11:10 Wenjie Shen (Dalian Institute of Chemical Physics) Morphology Control of Metal Oxides for Heterogeneous Catalysis
- 11:10-11:50 Ye Wang (Xiamen University) Bifunctional Catalysts for Highly Selective Conversion of Syngas to Lower Olefins and Aromatics
- 11:50 Closing Remarks Atsushi Fukuoka (Hokkaido University)