

International Conference on State-of-the Art Catalysis and Surface/Interface Science for Sustainable Society - 11th Iwasawa conference

サステイナブル社会のための最先端触媒化学・表面科学 - 第11回岩澤コンファレンス

March 11, 2022, Online meeting
(9:00-18:00 JST , 0:00-9:00 GMT)

Cosponsor: Sirindhorn International Institute of Technology, Thammasat University
Japan Science and Technology Agency (under commission)

Cooperation: The Chemical Society of Japan, Catalyst Society of Japan, The Japan Society of Vacuum and Surface Science, The Japanese Society for Synchrotron Radiation Research, The Japan Petroleum Institute (under commission)

Program [updated on Jan. 28, 2022]

JST		
	Opening Remarks	Sandhya Babel (Thammasat University) 13:40 Photosynthetic Microbial Fuel Cell to enhance electricity generation with simultaneous wastewater treatment
9:00	Ken-ichi Fukui (Osaka University) Interfacial Spectroscopic Study using Far UV/ Deep UV Light for Electronic States Analyses	M. Lakshmi Kantam (Institute of Chemical Technology) 14:10 Catalysis: The Driving Force for Sustainable Chemical Industry
9:15	Xiang Shao (University of Science and Technology of China) Adsorption and reactions of small molecules on ZnO surface	Yoshimichi Namai (Mitsui Chemical Analysis & Consulting Service Inc.) 14:40 Introduction of recent topics on adhesion, including activity reports on the Adhesion Society of Japan
9:45	Mizuki Tada (Nagoya University) Operando XAFS Imaging for Reaction Infography	14:55 Break
10:00	Break	Haichao Liu (Peking University) 15:05 Catalytic conversion of lignocellulose-derived feedstocks to value-added chemicals
10:10	Takeshiko Sasaki (The University of Tokyo) Cs and Rb supported on zeolites: Unprecedented catalysis of alkali metal single sites in zeolite pores replacing transition metal catalysis for selective C-H activation	Rajaram Bal (Indian Institute of Petroleum) 15:35 Selective conversion of CO ₂ to MeOH over nanostructured catalysts
10:25	Toshiaki Taniike (Japan Advanced Institute of Science and Technology) High-Throughput Experimentation and Catalyst Informatics: Catalyst Discoveries from Scratch	16:05 Break
10:55	Ken Motokura (Yokohama National University) Development of supported catalyst systems for highly efficient/challenging organic reactions	Maria Olea (University of Cambridge) 16:15 My scientific journey across the world & Lessons I have learned
11:25	Break	Eric Gaigneaux (Université catholique de Louvain) 16:45 Understanding and optimizing the behaviour of Keggin 12-phosphotungstic acid in the methanol-to-DME reaction
11:35	Youzhu Yuan (Xiamen University) Electronically buffered copper catalysts by fullerene for selective hydrogenation	17:15 Break
12:05	Kei-ich Tomishige (Tohoku University) Deoxydehydration of methyl glycosides with cis-vicinal OH groups using ReO _x /CeO ₂ catalysts modified with metallic particles and H ₂ reductant Hiroshi Onishi (Kobe University)	Yohei Uemura (European XFEL GmbH) 17:25 Presentation title: Exploring excited states of photocatalysts using femtosecond x-ray spectroscopy at XFELs
12:20	An ATR-IR Scheme for Operando Characterization of Semiconductor Photocatalyst	Kiyotaka Asakura (Institute for Catalysis, Hokkaido University) 17:55 Anomalous contraction in the Au-Au bond length of Pt-Au alloy nanoparticles prepared by the APD method
12:35	Lunch	Yasuhiro Iwasawa (The University of Electro-Communications) 18:10 Toward Carbon Neutral Society
		18:25 Closing Remarks

Admission Free

Registration: Please inform by E-mail of your name and Affiliation
(kubotake@riko.shimane-u.ac.jp)

URL : http://www.ipc.shimane-u.ac.jp/catalyst/event/lwasawa_conf.pdf