

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

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

Program [updated on Jan. 31, 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	Takehiko 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	Yohei Uemura (European XFEL GmbH) 17:25 Exploring excited states of photocatalysts using femtosecond x-ray spectroscopy at XFELs
12:20	Hiroshi Onishi (Kobe University) 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
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URL : http://www.ipc.shimane-u.ac.jp/catalyst/event/Iwasawa_conf.pdf