

Updated on December 16, 2022

Daily Program

The 26th SANKEN International Symposium Daily Program Wednesday, January 11, 2023

Wednesday, January 11, 2023		
Lecture Hall		
Session 1 9:30-12:00		
Chair: Yuki YAMADA (SANKEN, Osaka University, Japan)		
1-01	9:30-10:10	[Invited] Operando Spectroscopy: Revealing the Mechanisms of Electrochemical Carbon Dioxide Reduction Yu KATAYAMA (SANKEN, Osaka University, Japan)
1-02 (online)	10:10-10:50	[Invited] Sol-Gel Synthesis of Porous Monolithic Materials ~Pore Control and Applications~ George HASEGAWA (Institute of Materials and Systems for Sustainability, Nagoya University)
	10:50-11:00	Coffee Break
1-03	11:00-12:00	[Keynote] Photon upconverting molecular materials Nobuhiro YANAI (Kyusyu University, Japan)
	12:00-13:00	Lunch
Opening Ceremony 13:00-14:10		
Chair: Yuki YAMADA (SANKEN, Osaka University, Japan), Kazutomo SUENAGA (SANKEN, Osaka University, Japan)		
	13:00-13:10	[Opening Address] Tohru SEKINO (SANKEN, Osaka University, Japan)
	13:10-14:10	[Plenary] Common themes in electrocatalysis: what can battery science teach us about electrolysis and vice versa? Ifan E. L. Stephens (Imperial College London, United Kingdom)
	14:10-14:30	Coffee Break
Session 2 14:30-17:15		
Chair: Tsuyoshi SEKITANI (SANKEN, Osaka University, Japan)		
2-01	14:30-15:30	[Keynote] Sensing-of-Everything (SoX) Xiaodong CHEN (School of Materials Science and Engineering, Nanyang Technological University (NTU), Singapore, Institute of Materials Research and Engineering, The Agency for Science, Technology and Research (A*STAR), Singapore)
2-02	15:30-16:30	[Keynote] Integrated Green-niX Consortium for Research and Human-Resource Development (Green-niX) to make LSI industry Greener Hitoshi WAKABAYASHI (School of Engineering, Tokyo Institute of Technology, Japan)
2-03	16:30-17:00	[Invited] Material Development of Flexible Electronics for Environmental Friendly and its Sensor Application Teppei ARAKI (SANKEN, Osaka University, Japan)
	17:00-17:15	Coffee Break
Poster Session 17:15-18:30		
Poster Session (Connecting Corridor and CREA)		

Thursday, January 12, 2023

Thursday, January 12, 2023		
Lecture Hall		
Session 3 9:30-12:30		
Chair: Kazuhiko NAKATANI (SANKEN, Osaka University, Japan)		
3 - 01	9:30-10:10	[Keynote] Japan's climate change mitigation strategy and carbon management system for a nation Yoshiyuki SHIMODA (Division of Sustainable Energy and Environmental Engineering, Osaka University)
3 - 02	10:10-10:40	[Invited] Development of glowing plants as an electrical powerless lightning device for future sustainable society Takeharu NAGAI (SANKEN, Osaka University, Japan)
	10:40-10:50	Coffe Break
3 - 03	10:50-11:30	[Keynote] Development of Environmentally Friendly Chemical Conversion Method Combining Microwave Irradiation and Continuous Flow Equipment Hironao SAJIKI (GIFU Pharmaceutical University, Japan)
3 - 04	11:30-12:00	[Invited] Controlling Chemoselectivity by Functional Group Targeted Catalyst Takashi OHSHIMA (Graduate School of Pharmaceutical Sciences, Kyushu University, Japan)
3 - 05	12:00-12:30	[Invited] Contribution from Pharmaceutical Process Chemistry to Green Chemistry and Molecular Diversity Hideya MIZUFUNE (SPERA PHARMA, Inc., Japan)
Poster Session (Connecting Corridor and CReA) 12:30-13:30		
Session 4 13:30- 16:00		
Chair: Kazutomo SUENAGA (SANKEN, Osaka University, Japan)		
4 - 01	13:30-14:30	[Keynote] Electron microscopy studies of batteries Jianyu HUANG (Clean Nano Energy Center, State Key Laboratory of Metastable Materials Science and Technology, Yanshan University, Qinhuangdao, China)
4 - 02	14:30-15:00	[Invited] Relationship between structural characteristics and thermal conductivity in covalent amorphous solids Emi MINAMITANI (SANKEN, Osaka University, Japan)
4 - 03 (online)	15:00-16:00	[Keynote] Engineering the structure and properties of 2D materials by defect creation and intercalation Arkady KRASHENINNIKOV (Institute of Ion Beam Physics and Materials Research, Helmholtz-Zentrum Dresden-Rossendorf, Germany Department of Applied Physics, Aalto University, Finland)
	16:00-16:15	Coffee Break
Farewell Session 16:15-17:45		