SACC 2019 – Program Overview

23 May, 2019	Program	Speaker	Title	Session
08:00-09:00	**On-site Registration and Coffee/Tea**			
09:00-09:10	Opening ceremony	**Prof. Zhi LI** *Vice President, SCS*		
09:10-09:55	Plenary Lecture (PL01)	**Prof. Toshiyuki ITOH** *Tottori University*	Activation of an Enzymatic Reaction using Ionic Liquid Engineering	I Chair: Li Zhi
09:55-10:20	Keynote Lecture (KL01)	**Prof. Luming PENG** *Nanjing University*	Solid-State NMR Studies of Oxide Nanomaterials	
10:20-10:40	Invited Lecture (IL01)	**Dr. Kang ZHOU** *National University of Singapore*	Using machine learning to guide protein engineering for biocatalysis	
10:40-10:55	Oral Presentation (OP01)	**Dr. Saifudin M. ABUBAKAR** *ExxonMobil Asia Pacific Ltd*	ExxonMobil Research Activities in Asia Pacific	
10:55-11:25	**Tea Break and Photo session**			
11:25-11:50	Keynote Lecture (KL02)	**Prof. Pimchai CHAIYEN** *Vidyasirimedhi Institute of Science and Technology*	Redox Enzymatic Cascades for Biocatalysis, Biodetection and Biofuel	II Chair: Liu Yan
11:50-12:15	Keynote Lecture (KL03)	**Dr. Rui SI** *Shanghai Synchrotron Radiation Facility*	Investigation of Structure-Activity Relationship on Small-Size Metal or Metal Oxide Catalysts by X-ray Absorption Fine Structure Technique	
12:15-12:40	Keynote Lecture (KL04)	**Prof. Sunghoon PARK** *Ulsan National Institute of Science and Technology*	Development of microbial cell factory for production of 3-hydroxypropionic acid from glycerol	
12:40-12:55	Invited Lecture (IL02)	**Dr. Putla SUDARSANAM** *KU Leuven*	Nanostructured M/TiO_2 (M = Mn, Ni) catalysts for oxidative coupling of amines and reductive fractionation of lignocellulose	
12:55-13:10	Oral Presentation (OP02)	**Dr. Hiroyuki KAMATA** *IHI Corporation*	Catalytic CO_2 conversion	
13:10-14:30	**Lunch and Poster Viewing**			
14:30-15:15	Plenary Lecture (PL02)	**Prof. Ye WANG** *Xiamen University*	Tandem Catalysis for Selective Hydrogenation of CO and CO_2 into Multicarbon Products	III Chair: Yan Ning
15:15-15:40	Keynote Lecture (KL05)	**Dr. Alex Chi Wing TSANG** *Technological and Higher Education Institute of Hong Kong*	Catalytic hydrodeoxygenation of lignin for fuels and chemicals productions	
15:40-16:05	Keynote Lecture (KL06)	**Prof. Tomoko MATSUDA** *Tokyo Institute of Technology*	Biocatalysis Using Pressurized Carbon Dioxide	
16:05-16:20	Oral Presentation (OP03)	**Mr. Dillon W. P. TAY** *Institute of Chemical Engineering Sciences (ICES), A*STAR*	Steric and Electronic Ligand Backbone Effects in Diphosphines for Pd-Catalysed Carbonylation of Octene	
16:20-16:30	**Coffee/Tea**			
16:30-16:55	Keynote Lecture (KL07)	**Prof. Hongwei YU** *Zhejiang University*	Directed evolution of key enzymes in biosynthetic pathways	IV Chair: Martin van Meurs
16:55-17:20	Keynote Lecture (KL08)	**Prof. Chia-Min YANG** *National Tsing Hua University*	A versatile synthesis strategy for metal-containing mesoporous silica nanoparticles for heterogeneous catalysis	
17:20-17:40	Invited Lecture (IL03)	**Prof. Stephen BELL** *University of Adelaide*	Developing Biocatalysts for Selective C-H bond Hydroxylations	
18:30	**Conference Banquet** *Aquamarine @ Marina Mandarin*			

24 May, 2019	Program	Speaker	Title	Session
08:30-09:00	**Coffee/Tea**			
09:00-09:45	Plenary Lecture (PL03)	**Prof. Emiel HENSEN** *Eindhoven University of Technology*	Supported atoms, clusters and nanoparticles: understanding structure sensitivity in heterogeneous catalysis	V Chair: Armando Borgna
09:45-10:10	Keynote Lecture (KL09)	**Prof. Joongjai PANPRANOT** *Chulalongkorn University*	Production of high value chemicals from agricultural waste-derived compounds via selective hydrogenation using Pt-based catalysts	
10:10-10:35	Keynote Lecture (KL10)	**Prof. Dunming ZHU** *Tianjin Institute of Industrial Biotechnology*	Synthesis of Important Chiral Molecules via Enzymatic Desymmetrization	
10:35-10:55	Invited Lecture (IL04)	**Dr. Choon Wee KEE** *Institute of Chemical Engineering Sciences (ICES), A*STAR*	Halogen Chemistry: From Organocatalysis to Corrosion Science to 18F Radiochemistry	
10:55-11:10	Oral Presentation (OP04)	**Dr. Edwin ANANTA** *Nestlé Singapore Ltd*	Biocatalysis in food applications – Examples from Nestlé R&D	
11:10-11:30	**Tea Break**			
11:30-11:55	Keynote Lecture (KL11)	**Prof. Shinya FURUKAWA** *Hokkaido University*	Novel Concept for Catalyst Design based on Alloy Materials	VI Chair: Zhou Kang
11:55-12:20	Keynote Lecture (KL12)	**Prof. Jin-Byung PARK** *Ewha Womans University*	Enzymatic synthesis of ω-hydroxycarboxylic, ω-aminocarboxylic, and α,ω-dicarboxylic acids from renewable fatty acids and plant oils	
12:20-12:45	Keynote Lecture (KL13)	**Prof. Le Minh THANG** *Hanoi University of Science and Technology*	Selective oxidation of light hydrocarbons on oxide catalysts: from alkene to alkane	
12:45-13:05	Invited Lecture (IL05)	**Dr. Ricca Rahman Binti NASARUDDIN** *International Islamic University Malaysia*	Structural Transformation and Ligand Dynamic of Gold Nanocluster During a Catalytic Reaction	
13:05-14:30	**Lunch and Poster Viewing**			
14:30-15:15	Plenary Lecture (PL04)	**Prof. Huimin ZHAO** *University of Illinois*	Expanding the Boundary of Biocatalysis	VII Chair: Chen Luwei
15:15-15:40	Keynote Lecture (KL14)	**Prof. Joon Ching JUAN** *University of Malaya*	Application of Mesoporous Photocatalyst for Wastewater Treatment	
15:40-16:05	Keynote Lecture (KL15)	**Prof. Liming LIU** *Jiangnan University*	Biocatalytic derivatization of canonical amino acids for fine chemical synthesis	
16:05-16:15	**Coffee/Tea**			
16:15-16:35	Invited Lecture (IL06)	**Dr. Jia ZHANG** *Institute of High Performance Computing (IHPC), A*STAR*	Theoretical Studies of Ethanol Conversion on Rh Catalyst	VIII Chair: Alexander Genest
16:35-16:50	Oral Presentation (OP05)	**Dr. Xuan Hoan VU** *Vietnam Petroleum Institute*	Enhanced production of propylene via fluid catalytic cracking of triglycerides over hierarchical ZSM-5 catalysts	
16:50-17:20	**Singapore Catalysis Society Annual General Meeting 2019**			
17:20-17:40	**Poster Presentations Awards and Closing Ceremony** **Dr. Armando BORGNA** *President, SCS*			
17:40	**Buffet Dinner**			