

Time	World Ballroom (23 <sup>rd</sup> FL)
12.15-13.00	Registration
13.00-13.30	<b>Opening Ceremony</b>
13.30-15.00	<b>Opening Address</b> Suracha Udomsak
14.15-15.00	<b>P4-000-1415</b> Can Li (China) Artificial photosynthesis for solar fuel production: fundamental and application
15.00-15.15	
15.15-16.00	<b>P4-000-1515</b> Avelino Corma (Spain) Research collaboration between academia and industry drives fundamental knowledge into industrial application
16.00-18.30	<b>Reception</b>

Monday, August 5<sup>th</sup>, 2019

Time	World Ballroom (23 <sup>rd</sup> FL)	Lotus 1-2 (22 <sup>nd</sup> FL)	Lotus 3-4 (22 <sup>nd</sup> FL)	Lotus 5-6 (22 <sup>nd</sup> FL)
		EF	EC	MD
8.30-9.15	<b>P5-000-0830</b> Kazunari Domen (Japan) Photocatalytic water splitting for large scale solar hydrogen production			
<b>Session</b>		<b>Syngas Conversion I</b>	<b>Automobile Catalysts I</b>	<b>Plasmonic Catalysis</b>
<b>Chair</b>		Chair:	Chair:	Chair:
<b>Co-Chair</b>		Co-Chair:	Co-Chair:	Co-Chair:
9.15-9.30		<b>K5-012-0915</b> Ye Wang (China) Direct conversion of syngas into chemicals: Breaking the selectivity limitation	<b>V5-034-0915</b> Masaru Ogura (Japan) Zeolite mining for use as automobile ammonia-SCR catalyst	<b>S5-056-0915</b> Yuya Futamura Selective Synthesis of Deuterium Gases from Formic Acid and Tunneling Effect
9.30-9.45			<b>S5-034-0930</b> Changjin Tang Vital role of pore size engineering in activating ammonium bisulfate decomposition for low temperature NH <sub>3</sub> -SCR application	<b>S5-056-0930</b> Ho-Hsiu Chou Design of cycloplatinated polymer dots and effects of acceptor comonomers for photocatalytic hydrogen evolution from water
9.45-10.00		<b>S5-012-0945</b> Zhou Wei Direct conversion of syngas to aromatics over bifunctional catalysts	<b>S5-034-0945</b> Naveed Husnain Selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> over ferric oxide catalyst	<b>S5-056-0945</b> Takeharu Yoshii Synthesis of Pd supported on graphene-coated Au nanorods catalysts for surface plasmon-enhanced reaction
10.00-10.15		<b>S5-012-1000</b> Jong Wook Bae A highly crystalline ferrierite-based bifunctional catalyst for syngas conversions	<b>S5-034-1000</b> Xiaojun Bao Direct synthesis of hierarchical feuczsm-5 zeolite for selective catalytic reduction of NO by NH <sub>3</sub>	<b>K5-056-1000</b> Hiromi Yamashita (Japan) Design of plasmonic catalysts for efficient H <sub>2</sub> production from hydrogen carrier molecules
10.15-10.30		<b>S5-012-1015</b> Jingping Hong C <sub>3</sub> N <sub>4</sub> -coated titania as support for cobalt-based catalysts in fischer-tropsch synthesis	<b>V5-034-1015</b> Haitao Liu (China) The current state of China's mobile emissions catalyst industry	
10.30-10.45	<b>Coffee Break</b>			

Lotus 7 (22 <sup>nd</sup> FL)	Lotus 9 (22 <sup>nd</sup> FL)	Lotus 10 (22 <sup>nd</sup> FL)	Lotus 11 (22 <sup>nd</sup> FL)	Lotus 12 (22 <sup>nd</sup> FL)
IF	EF	RK	MD	IF
<b>P5-000-0830</b> Kazunari Domen (Japan) Photocatalytic water splitting for large scale solar hydrogen production				
<b>Fine Chemicals I</b>	<b>Photocatalysis I</b>	<b>Fine Chemicals II</b>	<b>Dehydrogenation I</b>	<b>Molecular Catalysis I</b>
<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>
<b>Co-Chair:</b> Kachornsak Faungnawakij	<b>Co-Chair:</b>	<b>Co-Chair:</b>	<b>Co-Chair:</b>	<b>Co-Chair:</b>
<b>K5-070-0915</b> Bhalchandra M. Bhanage (India) Transition-metal-catalysed and electrochemical C–H activation strategy for the synthesis of fine chemicals	<b>V5-090-0915</b> Yung-Jung Hsu (Taiwan) Semiconductor nanoheterostructures for photoconversion applications	<b>V5-100-0915</b> Virendra K. Rathod (India) Enzymatic synthesis of isopropyl stearate, a cosmetic emollient: optimization and kinetic approach	<b>S5-110-0915</b> Zhao-Tie Liu GaN as highly active, selective and stable catalyst for CO <sub>2</sub> / O <sub>2</sub> oxidative dehydrogenation of propane	<b>V5-120-0915</b> Takeshi Shiono (Japan) Heterogeneity of silica-supported modified methylaluminoxane as a cocatalyst for olefin polymerization
	<b>S5-090-0930</b> Hisao Yoshida Non-oxidative coupling of methane over gallium oxide photocatalysts in a flow reactor	<b>S5-100-0930</b> Manussada Ratanasak Exploring the enantioselective mechanism of palladium catalyst with polyquinoxaline ligands for asymmetric hydrosilylation of styrene	<b>S5-110-0930</b> Ryo Watanabe Effect of co-supplying H <sub>2</sub> S on propane dehydrogenation performance of Fe-based catalyst	<b>S5-120-0930</b> Suphitchaya Kitphaitun Synthesis of aryloxo-modified half-titanocenes as highly active ethylene (co) polymerization catalysts
<b>S5-070-0945</b> Nicoletta Ravasio Copper on silica: a versatile catalyst for platform molecules transformations	<b>S5-090-0945</b> Jingying Shi Photoelectrocatalytic reduction of oxygen with high selectivity of two-electron towards efficient synthesis of H <sub>2</sub> O <sub>2</sub>	<b>S5-100-0945</b> Marc Pera-Titus Rational design of Lewis superacids leading to an unprecedented Ti(III) triflimide catalyst for the direct amination of alcohols	<b>S5-110-0945</b> Tolkyun Baizhumanova Catalysts for the processing of light hydrocarbons into olefins	<b>S5-120-0945</b> Thang Le Minh Rh-silp catalyst on different supports for the hydroformylation of ethylene for the hydroformylation of ethylene
<b>S5-070-1000</b> Remco Dalebout The effect of ZnO promotion and syngas composition on Cu/C-catalyzed methanol synthesis	<b>S5-090-1000</b> Chu Wei Hsu Preparation and photocatalytic activity of M-loaded (M: Ni, Cr) Ca <sub>2</sub> Nb <sub>3-x</sub> Rh <sub>x</sub> O <sub>10</sub> nanosheet	<b>S5-100-1000</b> Bo-Qing Xu Keys to the selectivity control of Au-catalyzed oxidation of glycerol in water	<b>S5-110-1000</b> Bing Yan Metal-free silicon boride catalyst for oxidative dehydrogenation of light alkanes to olefins with high selectivity and stability	<b>S5-120-1000</b> Tatsuki Nagata DMF-protected ruthenium nanoparticles catalyst for b-alkylation of alcohols
	<b>S5-090-1015</b> Keisuke Awaya Photoelectrochemical properties of well-structured TiO <sub>2</sub> /Ni(OH) <sub>2</sub> nanosheet PN junction crystal	<b>S5-100-1015</b> Akkihebbal K. Suresh Glycerol oxidation over supported palladium -- influence of mass transport limitations on reaction performance	<b>S5-110-1015</b> Lei Shi Structure-reactivity correlation of boron nitride catalyst in oxidative dehydrogenation of light alkanes	<b>S5-120-1015</b> Fakhre Alam The role of ligand architecture toward tri-/tetramerization selectivity in chromium(III) tridentate silicon-bridged diphosphines catalysts
<b>Coffee Break</b>				

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		EF	EC	MD
<b>Session</b>		<b>Syngas Conversion II</b>	<b>CO<sub>2</sub> Conversion I</b>	<b>Nano-catalysts I</b>
<b>Chair</b>		<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>
<b>Co-Chair</b>		<b>Co-Chair:</b>	<b>Co-Chair:</b>	<b>Co-Chair:</b>
10.45-11.00		<b>V5-012-1045</b> Noritatsu Tsubaki (Japan) Oriented conversion of syngas to target chemicals	<b>K5-034-1045</b> Thomas F. Jaramillo (USA) Design and development of catalysts and sustainable processes for the conversion of water and CO <sub>2</sub> to H <sub>2</sub> and carbon-based fuels and chemicals	<b>S5-056-1045</b> Daiki Umemoto Synthesis of pyrene-functionalized Pd nanoparticle catalyst on carbon support for semi-hydrogenation of alkynes
11.00-11.15		<b>S5-012-1100</b> Xiaoyu Guo Nano-capsule catalyst ZrO <sub>2</sub> @FeCu for enhanced liquid fuels synthesis via Fisher-Tropsch technology in slurry bed		<b>S5-056-1100</b> Xiaohui He A facile and versatile route to fabricate single atom catalysts with high chemo- and regio-selectivity in hydrogenation
11.15-11.30		<b>S5-012-1115</b> Le Thien An CO and CO <sub>2</sub> methanation over core-shell spinels mAl <sub>2</sub> O <sub>4</sub> @al (m=Mn, Mg, Zn) supported nickel catalysts	<b>S5-034-1115</b> Nur Umisyuhada Nor Glucose as promoter for charge carrier separation of graphitic carbon nitride (g-C <sub>3</sub> N <sub>4</sub> ) in photocatalytic reduction of carbon dioxide into methanol	<b>S5-056-1115</b> Hiroya Ishikawa Cobalt phosphide nanorod as an air-stable catalyst for hydrogenation of furfural derivatives
11.30-11.45		<b>S5-012-1130</b> Subrahmanyam Challapalli Syngas production by catalytic nonthermal plasma: influence of promoters	<b>S5-034-1130</b> Zelong Li Direct conversion of carbon dioxide to lower olefins and aromatics over tandem catalysts	<b>S5-056-1130</b> Pei Yuan Palladium supported on modified 4icroporous hollow silica for NBR hydrogenation
11.45-12.00		<b>S5-012-1145</b> Waqar Ahmad Polyoxymethylene dimethyl ethers (POME) production via methanol mediated carbon oxides (COx) hydrogenation over ruthenium catalysts	<b>S5-034-1145</b> Rui Qiu Effect of oxide supports (CeO <sub>2</sub> , TiO <sub>2</sub> and SiO <sub>2</sub> ) on bimetallic Cu-Pd catalysts for the hydrogenation of CO <sub>2</sub>	<b>S5-056-1145</b> Yasutaka Kuwahara Hollow Silica Spheres Encapsulating Pd Nanoparticles and Aminopolymers as Efficient and Stable Heterogeneous Catalysts for Semihydrogenation of Alkynes
12.00-12.15		<b>S5-012-1200</b> Sandeep Kumar Lakhera Self-doped Ti <sup>3+</sup> anatase-brookite mixed phase TiO <sub>2</sub> supported by reduced graphene oxide for efficient H <sub>2</sub> production	<b>S5-034-1200</b> Okorn Mekasuwandumrong CO <sub>2</sub> hydrogenation over fsp-made cerium modified iron supported on alumina catalyst	<b>S5-056-1200</b> Aiqin Wang Selective hydrogenation over single-atom catalysts
12.15-12.30	<b>Lunch</b>			

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IF	EF	RK	MD	IF
<b>Zeolites I</b>	<b>Photocatalysis II</b>	<b>Kinetics</b>	<b>Oxides Catalysts</b>	<b>Dehydrogenation II</b>
Chair:	Chair:	Chair:	Chair:	Chair:
Co-Chair:	Co-Chair:	Co-Chair:	Co-Chair:	Co-Chair:
<b>V5-070-1045</b> Alex Yip (Australia) Selectivity on zeolite types in ionic liquid-templated synthesis	<b>S5-090-1045</b> Chaiyasit Phawa Direct growth of single-crystalline anatase with systematically tunable facet on a conductive substrate as an efficient photoelectrode	<b>V5-100-1045</b> Fikile R. Brushett (USA) Electrochemical kinetic modeling for the conversion of carbon dioxide to carbon monoxide on gold surfaces	<b>S5-110-1045</b> Hongwei Zhang TiO <sub>2</sub> encapsulation of gold nanoparticles with different morphologies as photocatalysts for aerobic benzyl alcohol oxidation	<b>S5-120-1045</b> Daniil Nazimov Effect of the k loading on the kinetic parameters of isobutane dehydrogenation over chromia/alumina catalysts
<b>S5-070-1100</b> Ching-Jung Chnag Hard templating method using gallium-immobilized carbon nanotubes for the preparation of hierarchical ZSM-5 and its application in aromatization of methanol	<b>S5-090-1100</b> A.R. Mahammed Shaheer Design and constructing electrostatic self-assembly of porous Ru/Co <sub>2</sub> O <sub>4</sub> nanorods on g-C <sub>3</sub> N <sub>4</sub> tubes as PN-junction photocatalyst for efficient durable photocatalytic hydrogen production	<b>S5-100-1100</b> Azizul Hakim Lahuri Adsorption isotherms and kinetics studies of the CO <sub>2</sub> capture by using iron oxide impregnated on activated carbon	<b>S5-110-1100</b> Chihiro Mochizuki Effects of the size of nanoparticulate gold and their support on selective oxidation of furfural to furoic acid	<b>S5-120-1100</b> Nikita Dewangan One pot facile synthesis of cobalt supported on Al <sub>2</sub> O <sub>3</sub> for propane dehydrogenation : effect of metal support interaction
<b>S5-070-1115</b> Kittisak Choojun Selective ethylene production from ethane conversion over gallium catalysts: the role of confinement and surface functional group of supports	<b>S5-090-1115</b> Kenji Toda Photocatalytic water splitting of nanocluster synthesized by a novel soft chemistry	<b>S5-100-1115</b> Apichaya Theampetch Kinetic scheme and elementary reaction analysis for microkinetic in Fischer-Tropsch synthesis over cobalt catalyst	<b>S5-110-1115</b> Olga Vodyankina Effect of substituent nature in organic linker on catalytic activity of UiO-66 in selective oxidation of propylene glycol	<b>S5-120-1115</b> Sonit Balyan Boron substituted H-ZSM-5 for improved catalyst stability in non-oxidative methane dehydroaromatization
<b>S5-070-1130</b> Haibo Zhuu Pt clusters anchoring on Sn sites of Sn containing zeolite for propane dehydrogenation	<b>S5-090-1130</b> Chih-Li Chang Design and synthesis of cycloplatinated polymer dots as photocatalysts for visible light-driven hydrogen evolution	<b>S5-100-1130</b> Tanasan Intana Kinetic study of furfural hydrogenation to furfuryl alcohol over copper aluminate spinel catalyst	<b>S5-110-1130</b> Yuji Kikukawa Synthesis and oxidation catalysis of fluoride-containing polyoxovanadates	<b>S5-120-1130</b> Ruimao Hua Formation of multi-fused ring via catalytic annulation of alkynes
<b>S5-070-1145</b> Tursiloadi Sillvester Preparation of CuO catalyst supported by hierarchical zeolite for conversion of isoeugenol to vanillin	<b>S5-090-1145</b> Chunmei Ding Significance of interface engineering and charge transfer for photoelectrocatalytic water splitting	<b>K5-100-1145</b> Rebecca R. Fushimi (USA) Microkinetic discrimination of materials using transient kinetics	<b>S5-110-1145</b> Kumer Saurav Keshri The synergistic effect of gold nanoparticles bismuth dopant and the morphology of ceria supports in catalysing aerobic oxidation of benzyl alcohol	<b>S5-120-1145</b> Sung-Hoon Kim Highly Enhanced Butenes Selectivity and Stability by K Addition to PtCu/alumina for n-Butane Dehydrogenation
	<b>S5-090-1200</b> Sang-Chul Jung Effect of liquid phase plasma irradiation in hydrogen production by photocatalytic water splitting over SrTiO <sub>3</sub> photocatalysts		<b>S5-110-1200</b> Shinya Masuda Specific Mechanism of Ruthenium-Nickel Immiscible Alloy Formation on the TiO <sub>2</sub> Support and its Catalysis	<b>S5-120-1200</b> Xiu-Jie Yang Visible-light-catalytic dehydrogenation of benzylic alcohols coupled with hydrogen evolution
<b>Lunch</b>				

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		EF	EC	MD
<b>Session</b>		<b>Triglycerides conversion I</b>	<b>Automobile Catalysts II</b>	<b>Catalyst Design &amp; Synthesis I</b>
<b>Chair</b>		<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>
<b>Co-Chair</b>		<b>Co-Chair:</b>	<b>Co-Chair:</b>	<b>Co-Chair:</b>
13.30-13.45		<b>V5-012-1330</b> Bing-Hung Chen (Taiwan) Hydrodeoxygenation of fatty acids and triglycerides to alkane fuels over zeolite-supported Ni-M catalysts	<b>K5-034-1330</b> Jeffrey Wu (Taiwan) Photocatalytic Removal of NOx pollutants in Flue Gas	<b>V5-056-1330</b> Xiangju Meng (China) Green routes for synthesis of zeolites and their applications in environmental catalysis
13.45-14.00		<b>S5-012-1345</b> Nutch Jatuworapruet Biodiesel upgrading by partial hydrogenation of fatty acid methyl esters (H-FAME)		<b>S5-056-1345</b> Jim Kabenla Mensah Synthesis and catalytic evaluation of hierarchical MCM-22 zeolites
14.00-14.15		<b>S5-012-1400</b> Tosapol Maluangnont The potassium hexatitanate catalysts for the conversion of fatty acid to ketone and long-chain olefins	<b>S5-034-1400</b> Huazhen Chang Design strategies of novel catalysts for deNOx with excellent acid gas resistance	<b>K5-056-1400</b> Michael Stockenhuber (Australia) Advanced tools to develop industrially relevant catalysts
14.15-14.30		<b>S5-012-1415</b> Srinivas Darbha Selective deoxygenation of lipids to fuel-grade hydrocarbons	<b>S5-034-1415</b> Vivek Kumar Patel Effect of oxide supports on palladium based catalysts for NOx reduction by H2-SCR	
14.30-14.45		<b>K5-012-1430</b> YH Taufiq Yap (Malaysia) Simultaneous deoxygenation and cracking of triglycerides-based feedstocks for biogasoline and green diesel production	<b>S5-034-1430</b> Hiroshi Yoshida High Turnover CO-NO reaction over rhodium overlayer catalyst	
14.45-15.00			<b>S5-034-1445</b> Shinya Furukawa Design of palladium-based alloy catalyst for highly active and selective NO reduction	<b>S5-056-1445</b> Petra Keijzer Supported silver catalysts prepared via melt infiltration: synthesis, characterization and catalytic performance
15.00-15.15	<b>Coffee Break</b>			
15.15-19.00	<b>Poster session</b> **poster set up 14.00-15.30			

Monday, August 5<sup>th</sup>, 2019

Monday, August 5<sup>th</sup>, 2019

Lotus 7 (22 <sup>nd</sup> FL)	Lotus 9 (22 <sup>nd</sup> FL)	Lotus 10 (22 <sup>nd</sup> FL)	Lotus 11 (22 <sup>nd</sup> FL)	Lotus 12 (22 <sup>nd</sup> FL)
IF	EF	RK	MD	IF
<b>Biomass Derivatives I</b>	<b>Photocatalysis III</b>	<b>Catalyst Characterization</b>	<b>Oxidations I</b>	<b>Oxidations II</b>
<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>
<b>Co-Chair:</b>	<b>Co-Chair:</b>	<b>Co-Chair:</b>	<b>Co-Chair:</b>	<b>Co-Chair:</b>
<b>K5-070-1330</b> Ganapati D. Yadav (India) Selectivity engineering in valorisation of biomass, CO <sub>2</sub> and water into chemicals, materials and energy	<b>S5-090-1330</b> Kentaro Teramura Highly concentrated CO evolution for photocatalytic conversion of CO <sub>2</sub> by H <sub>2</sub> O as an electron donor	<b>V5-100-1330</b> Günther Rupretcher (Austria) In situ surface spectroscopy and microscopy of zirconia based model catalysts	<b>S5-110-1330</b> Shazia Sharmin Satter Hydrophobicity of Pt Supported Over Mesoporous Silica: An Advantage to Low Temperature Ethylene Oxidation	<b>S5-120-1330</b> Shuang Gao Reaction-controlled phase transfer catalysis for epoxidation of allyl chloride
	<b>S5-090-1345</b> Fuxiang Zhang Z-scheme overall water splitting by particulate photocatalysis under visible light irradiation	<b>S5-100-1345</b> Akira Yamakata Mechanism of highly efficient Ga <sub>2</sub> O <sub>3</sub> based photocatalysts studied by time-resolved absorption spectroscopy	<b>S5-110-1345</b> Gao Li Au Clusters for Oxygen Activation and Aerobic Oxidation	<b>S5-120-1345</b> Mikhail Salaev Towards the understanding of promoting effects of Re, Cs and Cl promoters for silver catalysts of ethylene epoxidation: a computational study
<b>S5-070-1400</b> Paresh Dhepe Development of industrially relevant biomass valorization processes	<b>S5-090-1400</b> Nor Aishah Saidina Amin Carbon dioxide reduction over Ag-modified PCN- TiO <sub>2</sub> nanocomposite in a photocatalytic monolith reactor	<b>S5-100-1400</b> Rob Jeremiah Nuguid Modulated-excitation raman spectroscopy of vanadia-based catalysts	<b>S5-110-1400</b> Lingyun Zhou Modulating catalysis from inside: embedding Cl ions enhance direct epoxidation of propylene	<b>S5-120-1400</b> Zhenshan Hou A mononuclear tantalum catalyst with a peroxycarbonato ligand for olefin epoxidation with compressed CO <sub>2</sub> as a trigger agent
<b>S5-070-1415</b> Boris Kuznetsov Processes of heterogeneous catalytic oxidation for the production of chemicals from wood biomass	<b>S5-090-1415</b> Sureena Abdullah Rare earth-doped titanium dioxide as the potential photocatalysts for syngas production: ambient environment photo-reforming process	<b>S5-100-1415</b> Alexander Bedilo EPR study of the surface active sites of operating catalysts	<b>S5-110-1415</b> Kunfeng Zhang Ru nanoparticles supported on 3dom BiVO <sub>4</sub> with oxygen vacancies for photocatalytic selective oxidation of benzyl alcohol	<b>S5-120-1415</b> Shaoqing Jin A Facile Organosilane-based Strategy for One-pot Synthesis of thin Ti-MWW Zeolite with High Catalytic Oxidation Performance
<b>S5-070-1430</b> Lingaiah Nakka Selective hydrogenation and hydrodeoxygenation of biomass derived furan derivatives		<b>S5-100-1430</b> Mai Takashima Light-intensity dependence analysis to uncover multielectron oxygen-reduction mechanism by platinum-loaded tungsten(vi) oxide	<b>S5-110-1430</b> Sabine Valange Supercritical CO <sub>2</sub> synthesized nanostructured TiO <sub>2</sub> grafted with Mo(vi)-dioxo complexes for enhanced photo-oxidation	<b>S5-120-1430</b> Haseena K. V. Mechanistic insights into metal catalyst deactivation from biogenic impurities in integrated bio and chemo catalytic processes
<b>S5-070-1445</b> Zongchao Zhang The nature of active sites for selective hydrodeoxygenation of guaiacol to phenolics on Ni/anatase TiO <sub>2</sub> generated from cross surface migration of Ni and TiO <sub>2</sub> particles		<b>V5-100-1445</b> Francisco J. Cadete Santos Aires (France) Insights on ceria based catalysts obtained by environmental transmission electron microscopy studies	<b>S5-110-1445</b> Stephan Jaenicke Molecule-doped TiO <sub>2</sub> in photocatalysis	
<b>Coffee Break</b>				
<b>Poster session</b> **poster set up 14.00-15.30				

Tuesday, August 6<sup>th</sup>, 2019

Time	World Ballroom	Lotus 1-2 (22 <sup>nd</sup> FL)	Lotus 3-4 (22 <sup>nd</sup> FL)	Lotus 5-6 (22 <sup>nd</sup> FL)
	EF	EF	EC	MD
8.30-9.15	<b>P6-000-0830</b> Daniel Resasco (USA) Design of robust catalytic materials for the conversion of biomass in aqueous liquid media			
<b>Session</b>	<b>Biomass Conversion I</b>	<b>Ammonia</b>	<b>Heterogeneity</b>	<b>Fine Chemicals III</b>
<b>Chair</b>	<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>
<b>Co-Chair</b>	<b>Co-Chair:</b>	<b>Co-Chair:</b>	<b>Co-Chair:</b>	<b>Co-Chair:</b>
9.15-9.30	<b>V6-000-0915</b> Kevin C.W. Wu (Taiwan) Metal-organic frameworks (MOFs) derived effective solid catalysts for lignocellulosic biomass valorization	<b>V6-012-0915</b> Shin-Ichiro Fujita (Japan) Water as an effective medium for hydrogenation reactions over supported metal catalysts	<b>K6-034-0915</b> Constantinos G. Vayenas (Greece) Promotional rules of heterogeneous catalysis	<b>V6-056-0915</b> S. N. Aisyiyah Jenie (Indonesia) Magnetic nanobiochar as an efficient heterogeneous acid catalyst for esterification reaction
9.30-9.45	<b>S6-000-0930</b> Manh Linh Le Effect of alkali and alkaline earth metals on pyrolysis characteristics and kinetics of $\alpha$ -cellulose	<b>S6-012-0930</b> Masaaki Kitano Calcium amide supported ruthenium catalyst for low-temperature ammonia synthesis		<b>S6-056-0930</b> Wontae Kim Adjacent acid-base pair sites on silica surface created by hydrolysis of pre-anchored amide as an excellent catalyst for aldol condensation
9.45-10.00	<b>S6-000-0945</b> Masaharu Komiyama One-path catalytic liquefaction of wet microalgae with supercritical methanol	<b>S6-012-0945</b> Katsutoshi Nagaoka Composite-rare-earth oxide supported ruthenium catalysts for ammonia synthesis as hydrogen carrier	<b>S6-034-0945</b> Astha Singh Evaluation of optimal conditions for photocatalytic degradation of chlorhexidine digluconate using response surface methodology	<b>S6-056-0945</b> Oxana Taran Self-propagating high-temperature synthesis of materials based on tungsten carbide for one-pot hydrolysis-hydrogenolysis of cellulose into ethylene glycol and 1,2-propylene glycol
10.00-10.15	<b>K6-000-1000</b> Atsushi Fukuoka (Japan) Catalytic conversion of cellulose and chitin to chemicals	<b>S6-012-1000</b> Tuan Doan Copper-iron bimetal ion-exchanged SAPO-34 for $\text{NH}_3$ -SCR of NO <sub>x</sub>	<b>S6-034-1000</b> Ekasith Somsook Facile synthesis of high performance iron oxide/carbon nanocatalysts derived from the calcination of ferrocenium for the decomposition of methylene blue	<b>S6-056-1000</b> Pingping Wu Highly selective Au-Pt bimetallic catalyst for benzyl alcohol oxidation
10.15-10.30				<b>S6-056-1015</b> Hamed Mootabadi Catalytic conversion of cellulose into polyols over mesoporous catalyst
10.30-10.45	<b>Coffee Break</b>			



Lotus 7 (22 <sup>nd</sup> FL)	Lotus 9 (22 <sup>nd</sup> FL)	Lotus 10 (22 <sup>nd</sup> FL)	Lotus 11 (22 <sup>nd</sup> FL)	Lotus 12 (22 <sup>nd</sup> FL)
IF	EC	RK	MD	IF
<b>P6-000-0830</b> Daniel Resasco (USA) Design of robust catalytic materials for the conversion of biomass in aqueous liquid media				
<b>Hydrogenation I</b>	<b>Oxidative Degradation I</b>	<b>Mechanistic Study I</b>	<b>Photocatalysis IV</b>	<b>Non-metal Catalysis</b>
<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>
<b>Co-Chair:</b>	<b>Co-Chair:</b>	<b>Co-Chair:</b>	<b>Co-Chair:</b>	<b>Co-Chair:</b>
<b>V6-070-0915</b> Yu-Chaun Lin (Taiwan) Direct hydrogenation of adipic acid to 1,6-hexandiol by using multinational copper-based catalysts derived from chrysocolla	<b>S6-090-0915</b> Hongxing Dai Porous transition metal oxide-supported noble metal alloy catalysts with high performance for VOCs oxidation	<b>K6-100-0915</b> Perla B. Balbuena (USA) First-principles and experimental insights of the oxygen evolution reaction on M-iridium oxide (M=Ni, Co) surfaces	<b>S6-110-0915</b> Bunsho Ohtani Design of heterogeneous photocatalysis based on energy-resolved distribution of electron traps	<b>V6-120-0915</b> Sujitra Wongkasemjit (Thailand) Reusable t. Reesei immobilized on SBA-15 for monomeric sugar production
<b>S6-070-0930</b> Norsahida Azri Effect of transition metals for production of 1,2-propanediol via catalytic hydrogenolysis of glycerol over dolomite supported catalyst	<b>S6-090-0930</b> Changbin Zhang Insights into the activation effect of H <sub>2</sub> pretreatment on Ag/Al <sub>2</sub> O <sub>3</sub> catalyst for the selective oxidation of ammonia		<b>S6-110-0930</b> Shoichi Somekawa Preparation of TiO <sub>2</sub> /WO <sub>3</sub> quantum dots in porous silica and photocatalytic activity	<b>S6-120-0930</b> T.C. Tsai Stabilization with alkaline cation in mordenite hydrothermal stability and the improved catalytic performance in lab synthesis
<b>S6-070-0945</b> Patcharaporn Weerachawanasak Liquid-phase selective hydrogenation of furfural to furfuryl alcohol over bimetallic Ni-Cu/SiO <sub>2</sub> catalysts	<b>S6-090-0945</b> Stéphane Siffert Mixed oxides issued from hydrotalcite precursors for ethanol total oxidation	<b>S6-100-0945</b> Xue-Qing Gong Activity and selectivity of oxidative coupling of methane on doped La <sub>2</sub> O <sub>3</sub> catalysts: a density functional theory study	<b>S6-110-0945</b> Dai Mochizuki Alternate layered nanostructures by spontaneous assembly of inorganic nanosheets and their photocatalytic application	<b>S6-120-0945</b> Zhe Wang Synthesis of Non-Metallic Heteroatom Doped Mesoporous Activated Carbon Beads as Heterogeneous Catalytic Oxidations
<b>S6-070-1000</b> Gang Fu Enhancing the selective hydrogenation by interfaces	<b>S6-090-1000</b> Zhuo Han Preparation and catalytic performance of AuPd <sub>2</sub> /Co <sub>3</sub> O <sub>4</sub> /3dom MnCo <sub>2</sub> O <sub>4</sub> for methane combustion	<b>S6-100-1000</b> Atsushi Ishikawa Density functional theory-based microkinetic analysis of oxidative coupling of methane catalyzed by pure and lithium-doped magnesium oxide	<b>S6-110-1000</b> Nhan Nu Thanh Ton One-pot synthesis of TiO <sub>2</sub> /graphene nanocomposite for visible light photocatalysis	<b>S6-120-1000</b> Dnyanesh Vernekar Water-enhanced surface basicity in FeO(OH) for the synthesis of pseudoionones (PS) and their analogues
<b>S6-070-1015</b> Matthew Conway Hydrogenation of cinnamaldehyde to dihydrocinnamaldehyde over pd supported catalysts under mild conditions				
<b>Coffee Break</b>				

Tuesday, August 6<sup>th</sup>, 2019

Time	World Ballroom	Lotus 1-2 (22 <sup>nd</sup> FL)	Lotus 3-4 (22 <sup>nd</sup> FL)	Lotus 5-6 (22 <sup>nd</sup> FL)
	EF	EF	EC	MD
<b>Session</b>	<b>Methane Conversion</b>	<b>C1 Conversion I</b>	<b>Reducible Oxides I</b>	<b>Polymerization</b>
<b>Chair</b>	<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>
<b>Co-Chair</b>	<b>Co-Chair:</b>	<b>Co-Chair:</b>	<b>Co-Chair:</b>	<b>Co-Chair:</b>
10.45-11.00	<b>S6-000-1045</b> Maki Torimoto Low temperature steam reforming of methane over palladium-zinc intermetallic catalysts in an electric field	<b>S6-012-1045</b> Nolven Guilhaume Dry vs. Steam biogas reforming: study of CO <sub>2</sub> and H <sub>2</sub> O adsorption competition	<b>K6-034-1045</b> Wenjie Shen (China) Geometric Structure of Nanocatalysts	<b>K6-056-1045</b> Vincenzo Busico (Italy) A novel holistic approach to polyolefin catalysis
11.00-11.15	<b>S6-000-1100</b> Herma Dina Setiabudi Robust ni-based dendritic rod-like F-SBA-15 and spherical DFSBA-15 for methane dry reforming	<b>S6-012-1100</b> Qingxiang Ma Methane dry reforming for syngas over nickel-based bimodal catalyst		
11.15-11.30	<b>S6-000-1115</b> Xinhua Gao Directly preparation of the Mo/HZSM-5 hollow capsule catalyst and application in methane dehydroaromatization	<b>S6-012-1115</b> Phakampai Aunmunkong Roles of fsp-made LabO3 (b = Co, Mn, Zn, Cu) perovskite support on the catalytic properties of Ni/perovskite for dry reforming of methane	<b>S6-034-1115</b> Mingyue Lin Efficient removal of ammonia by using niobium oxide supported gold catalyst with high nitrogen selectivity	<b>V6-056-1115</b> Toshiaki Taniike (Japan) Revisiting the identity of primary particles: a key to understand ziegler-natta catalysts
11.30-11.45	<b>K6-000-1130</b> James J. Spivey (USA) Direct oligomerization of methane: activity, selectivity, and stability of solid superacids	<b>S6-012-1130</b> Punampriya Borgohain High pressure methanol steam reforming catalyst for membrane reformer application	<b>S6-034-1130</b> Leilei Kang Light enhancing combustion of light alkanes	<b>V6-056-1130</b> Zhi Qiang Fan (China) Study on activation of supported Ziegler-Natta catalyst based on polymerization kinetics and quench-labeling approaches
11.45-12.00		<b>S6-012-1145</b> Choji Fukuhara Auto-methanation of carbon dioxide: a novel route for CO <sub>2</sub> transformation over Ni-based catalyst	<b>S6-034-1145</b> Gongxuan Lu The inhibition of hydrogen and oxygen recombination and over-all water splitting over Pt- TiO <sub>2</sub>	<b>V6-056-1145</b> Kotohiro Nomura (Japan) (Imido)vanadium and niobium complexes as efficient catalysts for ethylene dimerization/polymerization and ring-opening metathesis polymerization of cyclic olefins
12.00-12.15	<b>S6-000-1200</b> Indira Jeldybayeva Syngas production by dry reforming of methane over Fe-Co based alumina supported catalysts	<b>S6-012-1200</b> Naresh Gutta Synthesis of rice husk derived nano silica supported nickel for the production of pure hydrogen by catalytic methane cracking	<b>S6-034-1200</b> Emrah Ozensoy Does bulk matter ?: controlling bulk oxygen vacancies enhances catalytic reactivity of perovskite surfaces	<b>V6-056-1200</b> Sumate Charoenchaidet (Thailand) A method of precise scaling up polyolefin catalyst
12.15-13.30	<b>Lunch</b>			

Lotus 7 (22 <sup>nd</sup> FL)	Lotus 9 (22 <sup>nd</sup> FL)	Lotus 10 (22 <sup>nd</sup> FL)	Lotus 11 (22 <sup>nd</sup> FL)	Lotus 12 (22 <sup>nd</sup> FL)
IF	EC	RK	MD	IF
Hydrogenation II	Photo-oxidation I	Mechanistic Study II	Metal Organic Framework	S
Chair:	Chair:	Chair:	Chair:	Chair:
Co-Chair:	Co-Chair:	Co-Chair:	Co-Chair:	Co-Chair:
<b>K6-070-1045</b> Keiichi Tomishige (Japan) Deoxydehydration of sugars and sugar alcohols catalyzed by rhenium oxide supported on ceria modified with gold	<b>S6-090-1045</b> Yuning Huo Development of photocatalytic systems for organic pollutants removal and bacterial disinfection	<b>S6-100-1045</b> Sarawoot Impeng Ethylene epoxidation on Mn-O site in N-doped graphene: a DFT study	<b>V6-110-1045</b> Ping Guo Characterization of metal-organic framework catalysts by gas sorption	<b>S6-120-1045</b> Xiaoyan Liu Effect of ib-metal on Ni catalyst for selective hydrogenation of acetylene
	<b>S6-090-1100</b> Guan Jun Huang Degradation of rhodamine b by nanotubular ag@agcl@agi photocatalyst under visible light irradiation	<b>S6-100-1100</b> Bhanu Vardhan Reddy Kuncharam CFD modeling and validation with detailed kinetics of nickel catalyst poisoning and mitigation during biogas steam reforming	<b>S6-110-1100</b> Lei Huang MOFs as precursor for low temperature NO-CO catalyst	<b>S6-120-1100</b> Changyong Sun Effect of surface properties on the catalytic hydrogenation of maleic anhydride to succinic anhydride over the supported palladium catalysts
<b>S6-070-1115</b> Seungdo Yang Effect of Cu addition to carbon-supported Ru catalysts on hydrogenation of alginic acid into sugar alcohols	<b>S6-090-1115</b> Gaik-Khuan Chuah Efficient visible light photodegradation of phenolic compounds and organic dyes by BiOBrNi <sub>1-n</sub> solid solutions	<b>V6-100-1115</b> Emiel J.M. Hensen (The Netherlands) A hydrocarbon-pool mechanism for methane aromatization	<b>S6-110-1115</b> Tingting Liu The vital role of coordination sphere in metal-organic framework catalysts: a density functional theory study	<b>S6-120-1115</b> Sureporn Sakhnaphawut Aqueous-phase selective hydrogenation of furfural to furfuryl alcohol over Pt-incorporated ordered mesoporous carbon
<b>S6-070-1130</b> Miho Kimura Highly efficient hydrogenation of amides under mild conditions using Rh-Mo bimetallic catalyst	<b>S6-090-1130</b> Manasa Manjunatha Photocatalytic degradation of ciprofloxacin and norfloxacin under solar light using boron-doped titanium dioxide catalysts synthesized by green EDTA-citrate method	<b>S6-100-1130</b> Naonobu Katada Lewis acidic nature of metal/zeolite and its role on catalytic activity for 11ethylation / transmethylation of benzene ring	<b>S6-110-1130</b> Zi-Jie Gong Transesterification of Glycerol and Dimethyl Carbonate over Magnesium Oxide-Loaded Metal-Organic Frameworks	<b>S6-120-1130</b> Pimchanok Nakchuai Study on reaction process and mechanism of photocataytic hydrogenation of nitroaromatic to aniline in alcohol solution
<b>S6-070-1145</b> Chengtao Wang Product selectivity controlled by zeolite crystals in furfural hydrogenation over a palladium catalyst	<b>S6-090-1145</b> Akash Balakrishnan Immobilized chitosan complexed TiO <sub>2</sub> for continuous photocatalytic degradation of 2,4 dichloro phenoxy acetic acid	<b>S6-100-1145</b> Jun Xu Unravelling synergic effect in metal modified zeolite	<b>S6-110-1145</b> Yanjing Hu Improved catalytic performances of the bimetallic organic framework for cascade reactions	<b>S6-120-1145</b> Shuhan Wang Solvent effect on the selective hydrogenation of NBR over silica supported palladium catalyst
<b>S6-070-1200</b> Sergey Ten Pd-Bi nanoparticles immobilized in HSO <sub>3</sub> -substituted UIO-66 for cascade transformation of glycerol to lactic acid	<b>S6-090-1200</b> Peter Kelly Photocatalytic bismuth oxide coatings and their potential for water treatment applications	<b>S6-100-1200</b> Yingxu Wei Cavity-controlled methanol to olefins reaction and diffusion over 8-mr and cavity-type zeolite and SAPO catalysts	<b>S6-110-1200</b> Poomiwat Phadungbut Molecular analysis of argon adsorption and porous properties of soc-MOF pre-adsorbed with nonpolar and polar fluids	
Lunch				

Tuesday, August 6<sup>th</sup>, 2019

Time	World Ballroom	Lotus 1-2 (22 <sup>nd</sup> FL)	Lotus 3-4 (22 <sup>nd</sup> FL)	Lotus 5-6 (22 <sup>nd</sup> FL)
	EF	EF	EC	MD
<b>Session</b>		<b>Biomass Conversion II</b>	<b>Reducible Oxides II</b>	<b>Catalyst Design &amp; Synthesis II</b>
<b>Chair</b>		<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>
<b>Co-Chair</b>		<b>Co-Chair:</b>	<b>Co-Chair:</b>	<b>Co-Chair:</b>
13:30-13.45		<b>K6-012-1330</b> Haichao Liu (China) Selective hydrogenolysis of lignocellulose-derived feedstocks to carboxylic acids on metal catalysts	<b>K6-034-1330</b> Jae Sung Lee (Korea) Solar hydrogen production by photoelectrochemical water splitting : A perspective	<b>S6-056-1330</b> Jeong-Cheol Seo Aerosol-assisted one-pot synthesis of mesoporous nickel-alumina catalyst for dry reforming of methane
13.45-14.00				<b>S6-056-1345</b> Hiroyasu Fujitsuka The synthesis of ZSM-5-encapsulated Rh fine particles and its application for methanol-to-olefin reaction
14.00-14.15		<b>S6-012-1400</b> Mohd Sufri Mastuli In-depth study of Mg <sub>1-x</sub> Zn <sub>x</sub> O nanomaterials as new catalysts for gasification of biomass in supercritical water for hydrogen production	<b>S6-034-1400</b> Abdul Hanif Mahadi Effect of Cr doping in CeO <sub>2</sub> nanostructures on UV and H <sub>2</sub> O <sub>2</sub> assisted advanced oxidation processes for wastewater treatment	<b>S6-056-1400</b> Zile Hua Synthesis of new large-surface-area ts-1 nanocatalysts and their catalytic performance
14.15-14.30		<b>S6-012-1415</b> Srinivas Appari Carbon tolerant catalytic monoliths for dry reforming of model biogas for hydrogen production	<b>S6-034-1415</b> Yuichi Kamiya Ceia-supported ruthenium catalyst for rapid reduction of perchlorate for water purification	<b>S6-056-1415</b> Nynke Krans Investigating the growth of titania supported colloidal iron oxide nanoparticles during reduction
14.30-14.45		<b>S6-012-1430</b> Ashokkumar Veeramuthu Municipal wastewater treatment and bioenergy production from microalgae	<b>S6-034-1430</b> Ting Wang Pd-, Pt- and Rh- loaded (Ce, Zr, La) O <sub>2</sub> three-way catalysts: investigation on surface properties and dynamic oxygen mobility	<b>K6-056-1430</b> Rafael Luque (Spain) Benign-by-design catalytic materials and processes for a MOE sustainable future
14.45-15.00		<b>S6-012-1445</b> Chandrashekhar Rode Multifunctional catalysis for bio-refinery applications		
15.00-15.15	<b>Coffee Break</b>			

Lotus 7 (22 <sup>nd</sup> FL)	Lotus 9 (22 <sup>nd</sup> FL)	Lotus 10 (22 <sup>nd</sup> FL)	Lotus 11 (22 <sup>nd</sup> FL)	Lotus 12 (22 <sup>nd</sup> FL)
IF	EC	RK	MD	IF
Ethanol Conversion	Photo-oxidation II	Miscellaneous	Zeolites II	Chemical Platforms I
Chair:	Chair:	Chair:	Chair:	Chair:
Co-Chair:	Co-Chair:	Co-Chair:	Co-Chair:	Co-Chair:
<b>K6-070-1330</b> Yingxiao Cai (France) Behind the Scenes at ChemCatChem	<b>S6-090-1330</b> Yulia Belik Synthesis and study of composite photoactive materials based on bismuth silicates	<b>S6-100-1330</b> Xixi Ma Rational design and synthesis of urchinlike alumina support for the hydrodesulfurization of 13iberian crude	<b>S6-110-1330</b> Yu Cong Fluoride-modified ZSM-5 for endothermic catalytic cracking of n-decane	<b>S6-120-1330</b> Oz M. Gazit Understanding structure function relationship in the Mn-NaWO <sub>4</sub> /SiO <sub>2</sub> catalyzed oxidative coupling of methane
	<b>S6-090-1345</b> Varong Pavarajarn Shifting in degradation pathway by 13ontrolling exposed surface of the photocatalyst: degradation of diuron and dca on zinc oxide	<b>S6-100-1345</b> Wangyin Wangyin Biohybrid approaches for solar fuel production	<b>S6-110-1345</b> Hitoshi Matsubara Nature of cobalt species on MFI zeolite as lewis acid and its role on direct methylation of benzene with methane	<b>S6-120-1345</b> Zhang Xing AuPd/3dom CeO <sub>2</sub> catalyts with good chlorine-resistant performance and catalytic stability in trichloroethylene combustion
<b>S6-070-1400</b> Natthida Numwong Conversion of ethanol to high value alcohols over MgO based catalyts	<b>S6-090-1400</b> Osi Arutanti Synthesis of WO <sub>x</sub> nanoparticles and their catalytic properties to decompose rhodamine B	<b>S6-100-1400</b> Ashish Unnarkat Bimetallic catalysed decomposition of hydrogen peroxide – understanding support effect	<b>S6-110-1400</b> Yusuke Kunitake Oxidative conversion of methane over metal-containing zeolites	<b>S6-120-1400</b> Pawaphat Sartsri Effect of acidity of metal oxide supported on zirconium oxide catalyst via ketonic decarboxylation of methyl stearate
<b>S6-070-1415</b> Inthira Kaewsukprasit Liquid phase dehydration of ethanol to diethyl ether over γ – and χ – mixed phase alumina catalyts	<b>S6-090-1415</b> Satishkumar Govindaswamy Aluminium doped iron oxide nanoparticles in mesoporous carbon sphere derived from glucose: an efficient heterogeneous fenton catalyst for destruction of phenol in continuous reactor	<b>S6-100-1415</b> Yujin Kong Low temperature methanol decomposition over supported Pd-Au bimetallic catalyst for recovery of unused heat energy	<b>S6-110-1415</b> Dong Ju Moon Hydrogen production by steam reforming of propane over promoted Ni/Y zeolite based catalyts for applications in the hydrogen station	<b>S6-120-1415</b> Feng Shi Construction of supported copper/nickel catalyts for selective transformation of glycerol to value added N,O-containing functional molecules
<b>S6-070-1430</b> Qing-Nan Wang Direct, selective production of aromatic alcohols from ethanol using a tailored bifunctional catalyts	<b>S6-090-1430</b> Eagambaram Murugan Dendrimer grafted poly(vinylimidazole) microbeads stabilized with au/pd nanoparticle catalyts for effective degradation of rhodamine b	<b>S6-100-1430</b> Andrey Chikunov Fe(iii), Co(iii) and Cu (ii) catalyts supported on zeolite matrix for effective water oxidation to dioxygen by [Ru(BPy) <sub>3</sub> ] <sup>3+</sup>	<b>S6-110-1430</b> Zhijie Wu Hydrothermal synthesis of metal modified hierarchical ZSM-5 zeolite for alkene aromatization	<b>S6-120-1430</b> Makoto Fukui Deoxygenation of oxygen 13ontaining organic compounds over titanium(iv) oxide photocatalyts in aqueous suspension
<b>S6-070-1445</b> Wei Xia A Combined Experimental and Theoretical Study on Ethanol Conversion to Propylene over Y/ZrO <sub>2</sub> Catalyst				<b>S6-120-1445</b> Rolf Beerthuis Disentangling promoter, support and particle size effects in methanol Synthesis
<b>Coffee Break</b>				

Tuesday, August 6<sup>th</sup>, 2019

Time	World Ballroom	Lotus 1-2 (22 <sup>nd</sup> FL)	Lotus 3-4 (22 <sup>nd</sup> FL)	Lotus 5-6 (22 <sup>nd</sup> FL)
	EF	EF	EC	MD
Session		<b>Biomass Derivatives II</b>	<b>Oxidation III</b>	<b>Confinements</b>
Chair		<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>
Co-Chair		<b>Co-Chair:</b>	<b>Co-Chair:</b>	<b>Co-Chair:</b>
15.15-15.30		<b>V6-012-1515</b> Navadol Laosiripojana (Thailand) Catalytic depolymerization of alkaline lignin into phenolic-based compounds over metal-free carbon-based catalysts	<b>S6-034-1515</b> Xiaolin Yu Defective Mn <sub>x</sub> Zr <sub>1-x</sub> O <sub>2</sub> solid solution for the catalytic oxidation of toluene: insights into the oxygen vacancy contribution	<b>K6-056-1515</b> Alexander Katz (USA) Catalytic consequences of active-site confinement within external-surface pockets of two-dimensional zeotypes
15.30-15.45		<b>S6-012-1530</b> Wanwitoo Wanmolee Lignin conversion into bioaromatics using Fe <sub>2</sub> O <sub>3</sub> /H-USY and Fe <sub>3</sub> O <sub>4</sub> /K-feldspar catalysts	<b>S6-034-1530</b> Anna Rokicińska Combustion of toluene over cobalt-modified MFI zeolite dispersed on monolith produced using 3D printing technique	
15.45-16.00		<b>S6-012-1545</b> Phornwimol Siabbamrung Solid acid catalyst prepared via one-step hydrothermal carbonization for production of 5-hydroxymethylfurfural in water/γ-valerolactone	<b>S6-034-1545</b> Tatsumi Ishihara High pressure torsion treatment for Y2O3 on increased no direct decomposition activity	<b>S6-056-1545</b> Ryota Osuga Investigation of the cation vibration of zeolites for understanding the confinement effect by using in-situ far-IR system
16.00-16.15		<b>S6-012-1600</b> Jorge Beltramini Efficient microwave assisted catalytic synthesis of 5-HMF using metal functionalized graphene oxide (GO) catalysts	<b>S6-034-1600</b> Junhua Li Micro-nano regulation of ceria-based catalysts for toluene catalytic oxidation	<b>S6-056-1600</b> Hiroshi Yamada Investigating gas diffusion phenomena in porous catalyst pellet based on characterizing micro-structure and evaluating diffusivity
16.15-16.30		<b>S6-012-1615</b> Pravin Upare Nanoalloy Ru-Sn catalyst system for 14ontinuous production of n-butanol from biomass derived butyric acid	<b>S6-034-1615</b> Wenbo Pei Partially embedding Pt nanoparticles in the skeleton of 3dom Mn <sub>2</sub> O <sub>3</sub> : an effective strategy for enhancing catalytic stability in toluene combustion	<b>S6-056-1615</b> Petr Sazama Enhancement of relevant acid- and redox-catalysed processes using Al-rich beta zeolites
16.30-16.45		<b>S6-012-1630</b> Nakka Lingaiah The role of polyoxometalate catalysts in valorization of lignocellulosic biomass to chemicals and fuel additives	<b>S6-034-1630</b> Zhiwei Wang Mechanism study on catalytic oxidation of toluene over Pt/ TiO <sub>2</sub> catalysts	<b>S6-056-1630</b> Chanon Auepattana-Aumrung Effect of cobalt on Na-ZSM-5 and H-ZSM-5 in 1-butene cracking reaction
16.45-17.00				<b>V6-056-1645</b> Tian-Sheng Zhao (China) Porosity and Acidity Modification of ZSM-5 catalyst for transformation of LPG
17.00-17.15				
17.30-18.15	Dinner Talk			
18.15-20.00	Banquet			

Tuesday, August 6<sup>th</sup>, 2019

Lotus 7 (22 <sup>nd</sup> FL)	Lotus 9 (22 <sup>nd</sup> FL)	Lotus 10 (22 <sup>nd</sup> FL)	Lotus 11 (22 <sup>nd</sup> FL)	Lotus 12 (22 <sup>nd</sup> FL)
IF	EC	RK	MD	IF
<b>Chemical Platforms II</b>		<b>CO<sub>2</sub> Conversion II</b>	<b>C1 Conversion II</b>	
<b>Chair:</b>		<b>Chair:</b>	<b>Chair:</b>	
<b>Co-Chair:</b>		<b>Co-Chair:</b>	<b>Co-Chair:</b>	
<b>V6-070-1515</b> Ruixia Liu (China) Vanadium phosphorus oxide catalyst promoted by ionic liquids for selective oxidation of n-butane to maleic anhydride		<b>S6-100-1515</b> Francesco Frusteri Direct CO <sub>2</sub> conversion to DME: catalytic features controlling deactivation of hybrid systems	<b>S6-110-1515</b> Kohsuke Mori Design of nanostructured catalysts for hydrogen storage and release mediating formic acid/carbon dioxide	
<b>S6-070-1530</b> Naoki Mimura Continuous catalytic oxidation of glycerol into 15arboxylic acids in water solvent using liquid-phase flow reactor		<b>S6-100-1530</b> Kwang-Deog Jung Synthesis of formic acid by CO <sub>2</sub> hydrogenation over supported hydrous ruthenium oxide catalysts	<b>S6-110-1530</b> Kee Young Koo Cox-free hydrogen production via ammonia decomposition over metal structured catalyst	
<b>S6-070-1545</b> Owen Rogers The Low Temperature Oxidation Of Cyclohexanediol To Adipic Acid Using Vanadium Bronze and Pt/C With Molecular Oxygen		<b>S6-100-1545</b> Kaisar Ahmad Selective conversion of CO <sub>2</sub> to methanol over intermetallic Ga-Ni catalyst prepared through co-precipitation method	<b>S6-110-1545</b> Hyun-Seog Roh Hydrogen production from waste-derived synthesis gas through high temperature water-gas shift reaction using Co-CeO <sub>2</sub> catalyst: effect of preparation methods	
<b>S6-070-1600</b> Sanchai Kuboon Simultaneous activation of copper mixed metal oxide catalysts in alcohols for gamma-valerolactone production from methyl levulinate		<b>S6-100-1600</b> Manideepa Sengupta Copper oxide anchored covalent organic frameworks for efficient CO <sub>2</sub> cycloadditions under ambient conditions	<b>S6-110-1600</b> Takashi Toyao Selective hydrogenation of carboxylic acid derivatives and CO <sub>2</sub> over TiO <sub>2</sub> -supported rhenium catalysts	
<b>S6-070-1615</b> Swapna Gade 1,1,3,3 Tetramethylguanidine: a highly efficient catalyst in glycerol carbonate synthesis		<b>S6-100-1615</b> Hongman Sun Dual functional catalytic materials for integrated CO <sub>2</sub> capture and conversion	<b>S6-110-1615</b> Tetsuya Shishido Hydrogen production from ammonia borane over supported palladium-gold alloy catalysts	
<b>S6-070-1630</b> Shireen Singh Mesoporous cobalt oxide for selective oxidation of ethylbenzene			<b>S6-110-1630</b> Kamal Kishore Pant Production and characterization of CNTs and understanding the hydrodynamics of direct decomposition of methane in fluidized bed reactor	
<b>S6-070-1645</b> Joseph Macginley The Low Temperature Solvent-Free Aerobic Oxidation of Cyclohexene to Cyclohexene Diol over Highly Active Au/Graphite and Au/Graphene Catalysts				
<b>S6-070-1700</b> Kazuya Yamaguchi Green amide production through catalytic formal oxygenation of amines				
Dinner Talk				
Banquet				

Tuesday, August 6<sup>th</sup>, 2019

**Wednesday, August 7<sup>th</sup>, 2019**

Time	World Ballroom	Lotus 1-2 (22 <sup>nd</sup> FL)	Lotus 3-4 (22 <sup>nd</sup> FL)	Lotus 5-6 (22 <sup>nd</sup> FL)
	EF	EF	EC	MD
8:30-9:15	<b>P7-000-0830</b> Gabriele Centi (Italy) Electrified chemical production: opportunities and role of catalysis			
<b>Session</b>	<b>Triglyceride Conversion II</b>	<b>CO<sub>2</sub> to Chemicals I</b>	<b>Nano-catalyst II</b>	<b>Zeolites III</b>
<b>Chair</b>	<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>
<b>Co-Chair</b>	<b>Co-Chair:</b>	<b>Co-Chair:</b>	<b>Co-Chair:</b>	<b>Co-Chair:</b>
9:15-9:30	<b>S7-000-0915</b> Nurul Aliana Nasharuddin Production of diesel-like hydrocarbons from chicken fat oil via deoxygenation over MWCNTs supported bimetallic oxides catalyst	<b>V7-012-0915</b> Xu Rong (Singapore) Design of single metal atom catalysts for CO <sub>2</sub> reduction	<b>S7-034-0915</b> Kuo-Tseng Li Hydrogenolysis of succinic acid over Ru and Pd catalysts encapsulated in porous silica nanoparticles	<b>V7-056-0915</b> Chularat Wattanakit (Thailand) Potential of sustainable hierarchical zeolites in catalytic upgrading of biomass-derived compounds
9.30-9.45	<b>S7-000-0930</b> Rose Fadzilah Abdullah Synthesis of carbon-based bifunctional catalyst derived for biodiesel production from waste cooking oil	<b>S7-012-0930</b> Kyungsu Na Hydrogenative CO <sub>2</sub> conversion using metal nanoparticles supported on metal oxide spinels having different acidity and basicity	<b>S7-034-0930</b> Zong We Chen Synthesis and characterization of zero-valent iron nanoparticles for application on toxic explosives decontamination	<b>S7-056-0930</b> Girolamo Giordano Ferriite nanocrystals as selective catalyst in methanol to dimethyl ether reaction
9.45-10.00	<b>S7-000-0945</b> Nurul Asikin Deoxygenation of jatropha oil over Ni-Fe coated MWCNT for green diesel production	<b>S7-012-0945</b> Takayuki Katagiri Carboxylation of organic molecule by CO <sub>2</sub> with biocatalyst and double-electron reduced diphenylviologen derivative	<b>S7-034-0945</b> Hamidreza Arandiyan Flower-like LaNiAlO <sub>3</sub> -supported nickel catalysts for carbon monoxide methanation	<b>S7-056-0945</b> Liang Wang Product Selectivity Controlled by Zeolite Crystals in Metal Nanoparticle Catalysis
10.00-10.15	<b>S7-000-1000</b> Pachara Chintakanan Production of bio-jet fuel from palm oil via deoxygenation and isomerization	<b>S7-012-1000</b> Shin Hye Cho Immobilization of zinc halide on the polymer resin and its application as a catalyst for the coupling reaction of CO <sub>2</sub> with propylene oxide		<b>K7-056-1000</b> Feng-Shou Xiao (China) Green synthesis of zeolites and design of zeolite-based green catalysis
10.15-10.30	<b>S7-000-1015</b> Duangamol Tungasmita Decarboxylation of oleic acid over metal catalysts supported on porous materials			
10:30-10:45	<b>Coffee Break</b>			



Lotus 7 (22 <sup>nd</sup> FL)	Lotus 9 (22 <sup>nd</sup> FL)	Lotus 10 (22 <sup>nd</sup> FL)	Lotus 11 (22 <sup>nd</sup> FL)	Lotus 12 (22 <sup>nd</sup> FL)
IF	EF	MD & RK	MD	IF
<p><b>P7-000-0830</b>                      Gabriele Centi (Italy)                      Electrified chemical production: opportunities and role of catalysis</p>				
<b>Molecular Catalysis II</b>	<b>Light alkane conversion</b>	<b>C1 Conversion III</b>	<b>Nano-catalyst III</b>	
<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>	
<b>Co-Chair:</b>	<b>Co-Chair:</b>	<b>Co-Chair:</b>	<b>Co-Chair:</b>	
<p><b>S7-070-0915</b>                      Fuwei Li                      Endeavours to Achieve Synergic/Relay Catalysis in Homo- and Heterogeneous Reactions</p>	<p><b>S7-090-0915</b>                      Kaori Sekine                      Brand new approach to use of natural gas with novel catalysts</p>	<p><b>V7-100-0915</b>                      Huai-Yong Zhu (Australia)                      Control of product selectivity in plasmonic catalysis</p>	<p><b>V7-110-0915</b>                      Masayuki Shirai                      Preparation and hydrogenation performance of metal Nano sheets intercalated between graphite layers</p>	
<p><b>S7-070-0930</b>                      Veeranna Yempally                      Hydrosilylation of carbonyl compounds employing manganese carbonyl complexes</p>	<p><b>S7-090-0930</b>                      Juchan Kim                      Plasma-assisted methane coupling to produce ethane over TiO<sub>2</sub>/macroporous silica catalysts</p>	<p><b>S7-100-0930</b>                      Carlo Giorgio Visconti                      Highly active ruthenium catalysts for CO<sub>2</sub> methanation</p>	<p><b>S7-110-0930</b>                      Pongkarn Chakthranont                      Doped-carbon nanohorns catalysts for efficient electrosynthesis of H<sub>2</sub>O<sub>2</sub> from O<sub>2</sub> reduction</p>	
<p><b>S7-070-0945</b>                      Tatsuya Tanaka                      DMF-protected Fe-Pt bimetallic nanoparticles as catalyst for olefin hydrosilylation</p>	<p><b>S7-090-0945</b>                      Zhou Yanliang                      Enhanced selectivity of Ni-Al mixed oxides with isolated oxygen species for oxidative dehydrogenation of ethane with nitrous oxide</p>	<p><b>S7-100-0945</b>                      Zhiquan Hou                      Preparation of supported monodisperse palladium catalysts with highly catalytic performance for methane combustion</p>	<p><b>S7-110-0945</b>                      Geun-Ho Han                      Effect of PVP on Pd/SiO<sub>2</sub> catalyst for direct synthesis of hydrogen peroxide from hydrogen and oxygen</p>	
<p><b>S7-070-1000</b>                      Grazia Malta                      In-situ study of single-site gold catalyst during acetylene hydrochlorination</p>	<p><b>S7-090-1000</b>                      Jonghyun Jeon                      Effects of Ga-Pt promotion on the performances and characteristics of microporous and mesoporous H-ZSM-5 catalysts for the aromatization from ethane</p>	<p><b>S7-100-1000</b>                      Yang Wang                      Methane activation over a boron nitride catalyst driven by in situ formed molecular water</p>	<p><b>S7-110-1000</b>                      Iunia Podolean                      Transition-metal binuclear complexes as new graphene-supported heterogeneous catalysts</p>	
	<p><b>S7-090-1015</b>                      Young-Woong Suh                      Stable dehydrogenation activity of mesoporous platinum-alumina catalysts</p>		<p><b>V7-110-1015</b>                      Tawatchai Charinpanitkul (Thailand)                      Temperature dependences of iron oxide-graphene oxide properties for synthesis of carbon nanotube/graphene hybrid material</p>	
<p><b>Coffee Break</b></p>				

Wednesday, August 7<sup>th</sup>, 2019

Time	World Ballroom	Lotus 1-2 (22 <sup>nd</sup> FL)	Lotus 3-4 (22 <sup>nd</sup> FL)	Lotus 5-6 (22 <sup>nd</sup> FL)
	EF	EF	EC	MD
<b>Session</b>	<b>Lignin Conversion</b>	<b>CO<sub>2</sub> Conversion III</b>	<b>Oxidative Degradation II</b>	<b>Metal Supported Catalysts</b>
<b>Chair</b>	<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>
<b>Co-Chair</b>	<b>Co-Chair:</b>	<b>Co-Chair:</b>	<b>Co-Chair:</b>	<b>Co-Chair:</b>
10:45-11.00	<b>V7-000-1045</b> Aritomo Yamaguchi (Japan) Conversion of lignin into aromatic compounds using supported metal catalysts	<b>S7-012-1045</b> Jijie Wang A highly selective and stable ZnO-ZrO <sub>2</sub> solid solution catalyst for CO <sub>2</sub> hydrogenation to methanol	<b>S7-034-1045</b> Seok Kim Electrochemical activation of nickel oxide catalyst for degradation of aqueous pollutants	<b>S7-056-1045</b> Yan Zhou Structure of the catalytically active copper-ceria interfacial perimeter
11.00-11.15	<b>S7-000-1100</b> Christophe Geantel Hydroconversion of lignin aromatics production	<b>S7-012-1100</b> Sakhon Ratchahat Structured Ni/CeO <sub>2</sub> catalyst with high tolerant towards fluctuated operation of CO <sub>2</sub> methanation	<b>S7-034-1100</b> Yongfa Zhu Supramolecular photocatalysts for pollutant degradation and tumor removal	<b>S7-056-1100</b> Shanshan Niu Enhanced oxygen reduction by isolated nickel atoms anchored on pyridinic n dominated porous carbon
11.15-11.30	<b>S7-000-1115</b> Sansanee Totong Catalytic depolymerization of bagasse-derived lignin over sulfided ReNiMo catalysts	<b>S7-012-1115</b> Qian He Porphyrin-based Fe single atoms catalyst for oxygen reduction reaction	<b>S7-034-1115</b> Akawat Sirisuk Effect of calcination conditions and reducing agent used on the photocatalytic degradation of methyl orange over black titanium dioxide	<b>S7-056-1115</b> Tatiana Bugrova Insights into formation of pt species in Pt/CeO <sub>2</sub> catalysts: effect of treatment conditions and metal-support interaction
11.30-11.45	<b>S7-000-1130</b> Anjie Wang Catalytic performance of bulk Ni <sub>2</sub> P, Ni <sub>12</sub> P <sub>5</sub> and Ni <sub>3</sub> P in aqueous-phase and oil-phase hydrodeoxygenation of phenol	<b>S7-012-1130</b> Sourik Mondal Copper based single atom alloy catalysts for the reverse water-gas shift reaction	<b>S7-034-1130</b> Philip Anggo Krisbiantoro What is the difference in reaction mechanism between in the presence of cobalt oxide and magnesium oxide for ozonation of ammonia nitrogen in water?	<b>S7-056-1130</b> Max J. Huelsey In situ spectroscopy-guided engineering of rhodium single-atom catalysts for CO oxidation
11.45-12.00	<b>S7-000-1145</b> Swathi Mukundan Highly active and robust Ni-MoS <sub>2</sub> supported on mesoporous carbon: a nanocatalyst for hydrodeoxygenation reactions	<b>S7-012-1145</b> Loong Kong Leong Mechanistic understanding of sequential adsorption and methanation of CO <sub>2</sub> using Ni-Cao/Al <sub>2</sub> O <sub>3</sub> and Ni-Na <sub>2</sub> CO <sub>3</sub> /Al <sub>2</sub> O <sub>3</sub> as dual function materials	<b>S7-034-1145</b> Guiying Li Application of mesoporous Fe/SiO <sub>2</sub> prepared from rice husk pyrolytic residues to the treatment of methylene blue	<b>S7-056-1145</b> Takehiko Sasaki Supported Metal Nanoparticles on Ionic Liquids functionalized SBA-15 as Active and Reusable Catalysts
12.00-12.15	<b>V7-000-1200</b> Shuji-Tanabe (Japan) Synergy effect of bimetallic Ni-Mn/SBA-15 catalyst for gasification of woody biomass	<b>S7-012-1200</b> Hajime Kawanami High-pressure H <sub>2</sub> and CO <sub>2</sub> production from formic acid	<b>S7-034-1200</b> Bing Hui Chen Design catalysts for catalytic wet air oxidation of ammonia	<b>S7-056-1200</b> Pussana Hirunsit The Role of Dual Perimeter Catalytic Sites of Metal Supported on Metal Oxides
12:15-13:30	<b>Lunch</b>			

Lotus 7 (22 <sup>nd</sup> FL)	Lotus 9 (22 <sup>nd</sup> FL)	Lotus 10 (22 <sup>nd</sup> FL)	Lotus 11 (22 <sup>nd</sup> FL)	Lotus 12 (22 <sup>nd</sup> FL)
IF	EF	MD & RK	MD	IF
<b>CO<sub>2</sub> to Chemicals II</b>	<b>Oxygenates Conversion</b>	<b>Theoretical analysis</b>	<b>Catalyst Design &amp; Synthesis III</b>	
<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>	
<b>Co-Chair:</b>	<b>Co-Chair:</b>	<b>Co-Chair:</b>	<b>Co-Chair:</b>	
<b>V7-070-1045</b> Feng-Yu Zhao (China) Catalytic conversion of CO <sub>2</sub> to chemicals and polymers	<b>S7-090-1045</b> Jifeng Pang Upgrading ethanol to butanol: the catalyst development	<b>V7-100-1045</b> Vudhichai Parasuk (Thailand) Quantum chemical calculations and QSPR models for designing of new <i>ansa</i> -zirconocene catalysts for olefin polymerization	<b>S7-110-1045</b> Dieqing Zhang Microwave synthesis of one-dimensional hierarchical heterostructured nanomaterials for environmental and energy applications	
<b>S7-070-1100</b> Shengfu Ji Shengfu Preparation of MOF-808(Zr)-supported Au catalyst and their performance for n-methylation of CO <sub>2</sub> with aniline and H <sub>2</sub>	<b>S7-090-1100</b> Shinji Inagaki Disproportionation of formic acid to methanol by iridium complex immobilized periodic mesoporous organosilica	<b>S7-100-1100</b> Rusrina Salaeh The role of Co <sub>13</sub> and Ni <sub>13</sub> supported on gamma-Al <sub>2</sub> O <sub>3</sub> for hydrogenation reaction in biomass conversion: theoretical insights	<b>S7-110-1100</b> Piyamit Tomsri Facile preparation of magnetic mesoporous carbon acid catalysts via self-assembly method and their applications in conversion of xylose into furfural	
<b>K7-070-1115</b> Sibudjing Kawi (Singapore) Strategic development of efficient catalytic system for CO <sub>2</sub> utilization	<b>S7-090-1115</b> Gayatri Kasar Tunable properties of Ru-Ni nanoparticles for selective formation of GVL	<b>S7-100-1115</b> Mongkol Lerdpongsiripaisarn Effects of coking on the stability of the monometallic and bimetallic Ni-Co system during the dry reforming reaction of methane: a density functional theory analyses	<b>S7-110-1115</b> Suna Balci In-situ mesoporous silica pillared clay synthesis and effect of titanium and iron incorporation to structural properties	
	<b>S7-090-1130</b> Md Imteyaz Alam Template free synthesis and enhanced effect of ordered titania for the ring opening and decarboxylation of biomass derived 2-pyrone	<b>S7-100-1130</b> Supareak Praserttham A theoretical analysis on the coke-resistance of noble metal-based catalysts in the dry reforming reaction of methane	<b>S7-110-1130</b> Anchu Ashok Salt assisted combustion synthesis of novel perovskites for oxygen reduction and oxygen evolution reaction	
<b>S7-070-1145</b> Muhammad Sharif Selective Palladium-catalyzed Synthesis of Diesters: Alkoxy-carbonylation of a CO <sub>2</sub> -butadiene derived d-lactone	<b>S7-090-1145</b> Yan Guo Selectively catalytic hydrogenation of styrene-butadiene rubber over Pd/g-C <sub>3</sub> N <sub>4</sub> catalyst	<b>S7-100-1145</b> Heechae Choi Economic discovery and processing optimization of commercializable functional materials using quantum mechanical computations	<b>S7-110-1145</b> Yongsheng Li Direct synthesis of mesoporous TS-1 zeolite supported metal or noble metal and its catalytic performance	
<b>S7-070-1200</b> Lin He Catalytic carbonylation of olefins with carbon dioxide	<b>S7-090-1200</b> Pittawat Sukkeaw Production of C <sub>4</sub> and C <sub>8</sub> alcohols from ethanol using MgO incorporated faujasite catalysts		<b>S7-110-1200</b> Jamil Malkawi Molecular imprinting in the analysis of pharmaceutical molecules	
<b>Lunch</b>				

Time	World Ballroom	Lotus 1-2 (22 <sup>nd</sup> FL)	Lotus 3-4 (22 <sup>nd</sup> FL)	Lotus 5-6 (22 <sup>nd</sup> FL)
	EF	EF	EC	MD
Session	<b>Biomass Derivatives III</b>	<b>CO<sub>2</sub> Conversion IV</b>	<b>Oxidative Degradation</b>	<b>Metal Supported Catalysts</b>
Chair	Chair:	Chair:	Chair:	Chair:
Co-Chair	Co-Chair:	Co-Chair:	Co-Chair:	Co-Chair:
13:30-13.45	<b>V7-000-1330</b> Takanori Miyake (Japan) Dehydrogenation of biomass-derived alcohols on oxide catalysts	<b>S7-012-1330</b> Chanho Pak Multifunctional non-Pt ternary anode catalyst by polyol method for reversal tolerant anode of automotive polymer electrolyte membrane fuel cell	<b>V7-034-1330</b> Yutaka Amao (Japan) Visible-light driven C-H bond activation and carboxylation with CO <sub>2</sub> in the system of bio/photo-hybrid catalysts	<b>V7-056-1330</b> Qihua Yang (China) Tuning the catalytic performance of metal NPs via immobilized ligands
13.45-14.00	<b>S7-000-1345</b> Cheng Yang Conversion of molasses to sugar alcohols using a sponge nickel catalyst	<b>S7-012-1345</b> Shuhei Ogo Low-temperature electro-catalytic oxidative coupling of methane over lanthanide-based catalysts	<b>S7-034-1345</b> Hsiang-Yu Shih Fabrication of dispersing Co <sub>3</sub> O <sub>4</sub> and application in the abatement of CO	<b>S7-056-1345</b> Grigory Mamontov Design of ceria-based catalysts with enhanced catalytic activity through the control of metal-support interaction
14.00-14.15	<b>S7-000-1400</b> Penghui Yan Role of promoters during Ni-catalysed hydrodeoxygenation of guaiacol	<b>S7-012-1400</b> Shibin Thundiyl Evaluation of activity descriptors for electrochemical bifunctional oxygen catalysis of Ca <sub>2</sub> Fe <sub>1.9</sub> M <sub>0.1</sub> O <sub>5±δ</sub>	<b>S7-034-1400</b> Natalia Candu The direct catalytic synthesis of dicarboxylic acids from glucose	<b>S7-056-1400</b> Anand Kumar Cellulose assisted combustion synthesis of nanomaterials for catalytic applications
14.15-14.30	<b>S7-000-1415</b> Hyemin Yang Effects of acids and pore structures on the condensation of furans using carbon-based acid catalysts for the production of diesel range fuel precursors	<b>S7-012-1415</b> Stephane Streiff Selective electrocatalytic oxidation of 5-hydroxymethyl-2-furfural to 2,5-furandicarbaldehyde via an electro-generative process	<b>S7-034-1415</b> Xin Zhang Continuous synthesis of carbonyl sulfide from simultaneous conversion of H <sub>2</sub> S and CO <sub>2</sub> over CoMoS catalysts derived from layered double hydroxides	<b>S7-056-1415</b> Rafael Lima Oliveira Pd nanoparticles confined in mesoporous n-doped carbon silica supports: a synergistic effect between catalyst and support
14.30-14.45	<b>S7-000-1430</b> Nandan Date Single pot selective hydrogenation of furfural to 2-methylfuran over carbon supported iridium catalysts	<b>S7-012-1430</b> Yuying Meng Carbon-based nanomaterials as noble-metal-free electrocatalysts		<b>K7-056-1430</b> Chung-Yuan Mou (Taiwan) Strong metal support interaction in Gold supported ZnO mesocrystals and its catalysis
14.45-15.00	<b>S7-000-1445</b> Peter Makgwane Nano-hybrid metal-carbon composite catalysts for oxidation of furans to renewable dicarboxylic acids	<b>S7-012-1445</b> Yuan (Helena) Wang Lanthanum based perovskite as active and stable electrocatalyst for water splitting reaction		
15.00-15.15	<b>Coffee Break</b>			
15.15-16.00	<b>P7-000-1515</b> Alexis Bell (USA) The Influence of Local Composition, Structure, and Confinement on the Activity and Selectivity of Catalytically Active Sites.			
16.00-16.30	<b>Closing Ceremony</b>			

Lotus 7 (22 <sup>nd</sup> FL)	Lotus 9 (22 <sup>nd</sup> FL)	Lotus 10 (22 <sup>nd</sup> FL)	Lotus 11 (22 <sup>nd</sup> FL)	Lotus 12 (22 <sup>nd</sup> FL)
IF	EF	MD & RK	MD	IF
<b>Chemical Platform III</b>	<b>Oxygenates Conversion</b>	<b>Mechanistic Study III</b>	<b>Catalyst Design &amp; Synthesis III</b>	
<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>	
<b>Co-Chair:</b>	<b>Co-Chair:</b>	<b>Co-Chair:</b>	<b>Co-Chair:</b>	
<b>S7-070-1330</b> Kenji Wada Effect of titania supports on the iridium-catalyzed synthesis of benzimidazoles	<b>S7-090-1330</b> Fumihiko Kosaka In-situ detection of carbon deposition on solid catalyst using microwave	<b>K7-100-1330</b> Qiang Fu (China) Strong metal-support interaction (SMSI): an extension from oxide support to carbide and nitride supports	<b>V7-110-1330</b> Kaew-arpha Thavornpraser Enhancing activity of ethane oxidative dehydrogenation catalyst: Effect of catalyst structure	
<b>S7-070-1345</b> Qjuchen Yang Enhancement of mo2c stability in the selective hydrogenation of 1,3-butadiene by a hydrogen pre-activation carburization method	<b>S7-090-1345</b> Yulia Vatutina Investigation of joint influence of peptizing agents and boron on hydrotreating catalyst properties		<b>S7-110-1345</b> Nattaphon Hongrutai Influence of alumina loading in the Propene Self-Metathesis using tungsten oxide catalysts supported on SiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub>	
<b>S7-070-1400</b> Masazumi Tamura Reaction mechanism of imine formation from alcohols and amines over 21eterogeneous cerium oxide catalyst	<b>S7-090-1400</b> Sreedevi Upadhyayula Parametric optimization of methanol assisted methane activation over bifunctional Mo-Ga loaded MCM-22	<b>S7-100-1400</b> Kun Qian Interface-stabilized Ce(iii) species on silver nanocrystals	<b>S7-110-1400</b> Nikita Dewangan A Platinum Manganese Catalyst Supported on Alumina for Direct Dehydrogenation of Propane: Low Temperature Reaction	
<b>S7-070-1415</b> Chidambaram Mandan Precious Metal Catalysis for Pharmaceutical, Fine & Agro Chemical Industries	<b>S7-090-1415</b> Edman Shik Chi Tsang Tailoring stable and catalytically active transition metal species and metal clusters on surfaces	<b>S7-100-1415</b> Cong Fu Interplay of surface structure and photoexcited charge in photochemistry of methanol on TiO <sub>2</sub> nanocrystals	<b>S7-110-1415</b> Zhiguo Yan DFT+U study on adsorption of CO on the surface of β-MnO <sub>2</sub>	
<b>S7-070-1430</b> D T Gokak Concept to commercialisation of indigenous catalyst in india: failure and success stories	<b>S7-090-1430</b> Bingqing Ge Di-ionic acidic ionic liquid as a green and highly efficient catalyst for isomerization of n-hexane	<b>S7-100-1430</b> Pradudnet Ketwong Multielectron transfer in photocatalytic oxygen evolution by titanium(iv) oxide particles	<b>S7-110-1430</b> Dnyanesh Vernekar Multifunctional catalytic applications of metal oxyhydroxides	
	<b>S7-090-1445</b> Utegenova Meruyert The synthesis of heterogeneous catalysts from a mixture of natural and technogenic raw materials	<b>V7-100-1445</b> Chen Yong-Song (Taiwan) Study on the durability of the HT-PEMFC using electrochemical impedance spectroscopy		
<b>Coffee Break</b>				
<p><b>P7-000-1515</b> Alexis Bell (USA)</p> <p>The influence of local composition, structure, and confinement on the activity and selectivity of catalytically active sites</p>				
<b>Closing Ceremony</b>				