

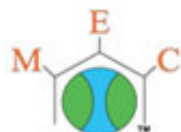


# 3rd International Conference on Catalysis and Chemical Engineering

February 25–27, 2019, Houston TX, USA

## Products and Services Show

MEC Fuels & Chemicals



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## Keynote Speakers

- **Gabor A. Somorjai**, University of California at Berkeley, USA
- **Jimmy C. Yu**, The Chinese University of Hong Kong, Hong Kong
- **James J. Spivey**, Louisiana State University, LA, USA
- **Naomi J. Halas**, Rice University, TX, USA
- **Kenneth M. Nicholas**, University of Oklahoma, OK, USA
- **Jie Liu**, Duke University, NC, USA
- **Angela K. Wilson**, Michigan State University, MI, USA
- **Davis L Ford**, The University of Texas, TX, USA
- **Zhifeng Ren**, University of Houston, TX, USA
- **Detlef Bahnemann**, Leibniz University of Hanover, Germany
- **Erhard Kemnitz**, Humboldt-Universität zu Berlin, Germany
- **Sibudjing Kawi**, National University of Singapore, Singapore
- **Hua Chun Zeng**, National University of Singapore, Singapore
- **Ange Nzihou**, Director RAPSODEE Research Center, France
- **Yu-Wen Chen**, National Central University, Taiwan

## Session Speakers

<b>Title:</b> To be Announced
<b>Michael James Heller</b> , University of California San Diego, CA, USA
<b>Title:</b> To be Announced
<b>Rénal Backov</b> , MIT Cambridge, MA, USA
<b>Title:</b> To be Announced
<b>Carlos R Cabrera</b> , University of Puerto Rico, USA
<b>Title:</b> To be Announced
<b>Debasish Kuila</b> , NC A&T State University, USA
<b>Title:</b> Dow LP Oxo SM Variable Selectivity Technology – Greater Than the Sum of Its Parts
<b>Mick Brammer</b> , The Dow Chemical Company, USA
<b>Title:</b> Single/Multi-Aluminum Porphyrin Catalyst for CO <sub>2</sub> Based Plastics
<b>Xianhong Wang</b> , Changchun Institute of Applied Chemistry, China
<b>Title:</b> Photocatalytic CO <sub>2</sub> reduction to fuels by Cu <sub>2</sub> O based nanomaterials
<b>Ying Yu</b> , Central China Normal University, China
<b>Title:</b> Surface Plasmons for Sustainable Energy
<b>Dong Ha Kim</b> , Ewha Womans University, South Korea
<b>Title:</b> The role of nano and subnanosized gold clusters in photocatalytic CH <sub>4</sub> transformation and CO <sub>2</sub> hydrogenation on titanate nanotubes
<b>János Kiss</b> , University of Szeged, Hungary
<b>Title:</b> Visible and Near-infrared Light Driven Photocatalyst Based on Natural Melanin
<b>Wanjie Xie</b> , Institute for Frontier Materials, Australia
<b>Title:</b> Systematic Development of Class Based Catalytic Reaction Mechanisms via Variational Transition State Based Methods
<b>R. Peter Lindstedt</b> , Imperial College London, UK

<b>Title:</b> Supported Au-Pd nano-alloys for the selective hydrogenation of levulinic acid
<b>Yiming Zhang</b> , Imperial College London, UK
<b>Title:</b> Combined methanol DME synthesis over NiGa/SiO <sub>2</sub> – zeolite mixtures under CO <sub>2</sub> -rich syngas
<b>Xiaowen Huang</b> , Imperial College London, UK
<b>Title:</b> Nanostructured ceria-based catalysts for RWGS and methanol synthesis from CO <sub>2</sub>
<b>Rui Zhang</b> , Imperial College London, UK
<b>Title:</b> Chemical properties of Ca-Ag binaries – a key for understanding of their behavior under ethylene epoxidation conditions
<b>Iryna Antonyshyn</b> , Max-Planck-Institut für Chemische Physik fester Stoffe, Germany
<b>Title:</b> Nitrate and nitrite reduction in aqueous phase by using size-controlled Pt nanoparticles
<b>Satu Pitkäaho</b> , University of Oulu, Finland
<b>Title:</b> To be Announced
<b>Karine Philippot</b> , LCC-CNRS, France
<b>Title:</b> Microstructural evolution of Co catalysts during activation and Fischer-Tropsch reaction investigated by operando Transmission Electron Microscopy (TEM)
<b>Sylvie Maury</b> , IFPEN-Lyon, France
<b>Title:</b> Developing azole-based ambient condition Pd(II) catalysts for C-C coupling: trends and study of electronic / rigidity features of 2-(thiophen-2-yl)-1H-imidazoles on catalyst activity
<b>Abiodun O. Eseola</b> , Institute of Inorganic and Analytical Chemistry, Germany
<b>Title:</b> Graphene-Nickel Interface-Induced “Electron Pump” Catalytic Mechanism on Metal Deposition
<b>Jong-Sung Yu</b> , Daegu Gyeongbuk Institute of Science and Technology, South Korea
<b>Title:</b> Pincer Metal Catalysts for Green Chemistry
<b>Albert Poater</b> , Universitat de Girona, Spain
<b>Title:</b> To be Announced
<b>Kartick C Mondal</b> , Shell Technology Centre Bangalore, India
<b>Title:</b> Design of photo-Fenton-type catalyst for wastewater treatment at neutral pH
<b>Nataša Novak Tušar</b> , National Institute of Chemistry, Slovenia
<b>Title:</b> Tuning of Plasmonic Near-Field Enhancement in Photocatalytic and SERS Applications
<b>Sammy W. Verbruggen</b> , University of Antwerp, Belgium
<b>Title:</b> The inhibition of hydrogen and oxygen recombination by halogen atoms and its effect on over-all
<b>Gongxuan Lu</b> , Chinese Academy of Sciences, China

<b>Title:</b> Aerobic Methane Oxygenation to Methanol with Chlorine Dioxide Radical
<b>Kei Ohkubo</b> , Osaka University, Japan
<b>Title:</b> To be Announced
<b>Kuen-Song Lin</b> , Yuan Ze University, Taiwan
<b>Title:</b> Synthesis of Green Fluorescent Carbon Dots: Selective Adsorption of Palladium Octahedral Nano
<b>Mohammad Sadiq</b> , University of Malakand, Pakistan
<b>Title:</b> To be Announced
<b>Alexander Terent'ev</b> , Russian Academy of Sciences Russia
<b>Title:</b> To be Announced
<b>David Milstein</b> , The Weizmann Institute of Science, Israel
<b>Title:</b> To be Announced
<b>Montserrat Gómez</b> , Université de Toulouse, France
<b>Title:</b> To be Announced
<b>Wang Wei</b> , Lanzhou University, China
<b>Title:</b> To be Announced
<b>Christopher Tassone</b> , Stanford University, CA, USA
<b>Title:</b> To be Announced
<b>Pawel Kulesza</b> , University of Warsaw, Poland
<b>Title:</b> To be Announced
<b>Francisco C Robles Hernández</b> , University of Houston, TX, USA
<b>Title:</b> Catalysts and Catalytic Processes for Converting Waste to Fungible Liquid Fuels and Chemicals
<b>M. Herskowitz</b> , Ben Gurion University at Negev, Israel
<b>Title:</b> To be Announced
<b>D. D. Pathak</b> , Indian Institute of Technology (ISM) Dhanbad, India
<b>Title:</b> To be Announced
<b>J. Oscar C. Jimenez-Halla</b> , University of Guanajuato, Mexico
<b>Title:</b> Role of potassium in the enhancement of the catalytic activity of calcium
<b>Valentina Cantatore</b> , Chalmers University of Technology, Sweden
<b>Title:</b> Continuous Flow retro-Diels-Alder Reaction: A Novel Process Window for Designing New
<b>Imane Nekkaa</b> , University of Szeged, Hungary
<b>Title:</b> To be Announced
<b>Young Sun Mok</b> , Jeju National University, South Korea

<b>Title:</b> Production of high valuable 1-Hexene and 1-Octene by selective ethylene oligomerization
<b>Fakhre Alam</b> , Tianjin University of Science and Technology, China.
<b>Title:</b> Oxyhydride perovskites: from characterization to reactivity study
<b>Quang-Nguyen Tran</b> , Institut Charles Gerhardt Montpellier, France
<b>Title:</b> The convergence of technologies, generates convergence in the regulations
<b>Guillermo Valdes Mesa</b> , Havana University Center Biomaterial, Cuba
<b>Title:</b> Theoretical Approach to Study the Solid State and Optical Characteristics of calcium Sulphide[CaS] Thin Film
<b>Emmanuel Ifeanyi Ugwu</b> , Ebonyi State University, Nigeria
<b>Title:</b> Oxidative desulfurization and simultaneous oxidative denitrogenation of hydrocarbons
<b>Jorge F. Palomeque-Santiago</b> , Instituto Mexicano del Petróleo, México
<b>Title:</b> Catalytic filter for air pollution control based on easily extruded honeycomb monoliths
<b>Tarik CHAFIK</b> , Université Abdelmalek Essaadi, Morocco
<b>Title:</b> Co-Ca catalyzed coal hydrogasification in a pressured fluidized bed
<b>Jicheng Bi</b> , Chinese Academy of Sciences, China

**Speaker Slots Available**

## Poster Presentations

<b>Title:</b> Investigation of palladium nanoparticles loaded onto TiO <sub>2</sub> nanorod/FTO for enhancement of
<b>Fang LI</b> , University of Hong Kong, Hong Kong, China
<b>Title:</b> CO <sub>2</sub> absorption through large scale module of ceramic hollow fiber membrane contactors with
<b>Jung Hoon Park</b> , Dongguk University, South Korea
<b>Title:</b> To be Announced
<b>Tran Thanh Nhan</b> , Daegu Gyongbuk Institute of Science and Technology, South Korea
<b>Title:</b> To be Announced
<b>Byong-June Lee</b> , Daegu Gyongbuk Institute of Science and Technology, South Korea
<b>Title:</b> Zeolitic Imidazolate Framework-Based Fe-N-Functionalized Carbon Electrocatalyst for Oxygen
<b>Jong-Sung Yu</b> , Daegu Gyongbuk Institute of Science and Technology, South Korea
<b>Title:</b> Preparation and characterization of hollow fiber type zeolite catalyst for the endothermic
<b>Jung Hoon Park</b> , Dongguk University, South Korea
<b>Title:</b> Adsorption of Orthophosphate from Aqueous Solutions by La/GO Composites
<b>Chungsyng Lu</b> , National Chung Hsing University, Taiwan

**Poster Slots Available**

**This is a Tentative program subjected to Change**