UNITED Scientific Group
A non-profit organization

CCE

3rd International Conference on

Catalysis and Chemical Engineering

February 25-27, 2019

Venue

DoubleTree by Hilton
Houston Intercontinental Airport
15747 John F. Kennedy Blvd.
Houston, TX 77032 USA

Products & Services Show

Wilson & Associates
Documents, Data, Process

MEC Fuels & Chemicals
Cleaner products. Cleaner world.

Supporters

CATALYSIS TODAY

SPRINGER NATURE

Keynote Speakers

Title: To be Announced

* Jimmy C. Yu, The Chinese University of Hong Kong, Hong Kong

Title: Opportunities for Catalytic Conversion of Methane and Natural Gas Liquids

* James J. Spivey, Louisiana State University, LA, USA

Title: To be Announced

* Gabor A. Somorjai, University of California at Berkeley, USA

Title: Upgrading Renewable Oxygenates: Oxo-Metal Catalyzed Reductive Coupling of Alcohols

* Kenneth M. Nicholas, University of Oklahoma, OK, USA

Title: To be Announced

* Naomi J. Halas, Rice University, TX, USA

Title: Plasmonic Catalysis: Heating vs. Hot Electrons

* Jie Liu, Duke University, NC, USA

Title: To be Announced

* Angela K. Wilson, Michigan State University, MI, USA

Title: To be Announced

* Davis L Ford, The University of Texas, TX, USA

Title: To be Announced

* Zhifeng Ren, University of Houston, TX, USA

Title: To be Announced
* Debasish Kuila, North Carolina A&T State University, NC, USA
Title: To be Announced
* Detlef Bahnemann, Leibniz University of Hanover, Germany
Title: To be Announced
* Sibudjing Kawi, National University of Singapore, Singapore
Title: Advanced Nanocatalysts for Heterogeneous Catalysis
* Hua Chun Zeng, National University of Singapore, Singapore
Title: To be Announced
* Ange Nzihou, Director RAPSODEE Research Center, France
Title: To be Announced
* Mannar Ram Maurya, Indian Institute of Technology Roorkee, India
Title: Copper and Copper/Palladium Supported on Reduced Graphene Oxide: Synthesis, Characterization and Application in the Reduction Reaction of NO By CO
* Martin Schmal, Federal University of Rio de Janeiro, Brazil
Title: Novel Tire-derived Carbon Catalysts for Converting Waste Cooking Oil into Biofuel
* M. Parans Paranthaman, Oak Ridge National Laboratory, TN, USA
Title: To be Announced
* Russell R Chianelli, University of Texas at El Paso, TX, USA

Session Speakers
Title: To be Announced
Michael James Heller, University of California San Diego, CA, USA
Title: To be Announced
Rénal Backov, MIT Cambridge, MA, USA
Title: To be Announced
Carlos R Cabrera, University of Puerto Rico, USA
Title: Copper-Catalyzed Coupling of Thioamides and Diazo Compounds: Synthesis of Enaminones
Syed Raziullah Hussaini, The University of Tulsa, OK, USA
Title: To be Announced
Maxim Ovchinnikov, Shell, USA
Title: Hierarchical ZSM-5 Zeolites Synthesized by Solid Crystallization of Nanogels and Their Catalytic Properties
Shengnian Wang, Louisiana Tech University, LA, USA
Title: To be Announced
Jack Baricuatro, California Institute of Technology, CA, USA
Title: To be Announced
Christopher J. Tassone, SLAC National Accelerator Laboratory, CA, USA
Title: To be Announced
Andreas Matzakos, Shell/Criterion, TX, USA
Title: Dow LP Oxo SM Variable Selectivity Technology – Greater Than the Sum of Its Parts
Mick Brammer, The Dow Chemical Company, USA

Title: Dow LP Oxo SM Variable Selectivity Technology – Greater Than the Sum of Its Parts
Xiujun James Li, University of Texas at El Paso, USA
Title: Electrocatalytic Conversion of Biomass Derived Organics at Solid/liquid Interface from ab Initio Molecular Dynamics Simulations
Mal-Soon Lee, Pacific Northwest National Laboratory, USA
Title: Iron supported over ZSM-5 zeolite as efficient and stable catalysts for non-oxidative dehydrogenation of ethane to ethylene
Lu-Cun Wang, Idaho National Laboratory, USA
Title: Unifying Theory and Experiment for the Design of High-Performance Alloy Catalysts: The Unique Role of Atomic Ensemble Effect
Hao Li, The University of Texas at Austin, USA
Title: To be Announced
Oomman K. Varghese, University of Houston, USA
Title: Modified SCR Catalysts for the Selective Catalytic Oxidation of Slip Ammonia and Elemental Mercury
Naiqiang Yan, Shanghai Jiao Tong University, China
Title: Single/Multi-Aluminum Porphyrin Catalyst for CO2 Based Plastics
Xianhong Wang, Changchun Institute of Applied Chemistry, China
Title: Supported Au-Pd nano-alloys for the selective hydrogenation of levulinic acid
Yiming Zhang, Imperial College London, UK
Title: Combined methanol DME synthesis over NiGa/SiO2 – zeolite mixtures under CO2-rich syngas
Xiaowen Huang, Imperial College London, UK
Title: Nanostructured ceria-based catalysts for RWGS and methanol synthesis from CO2
Rui Zhang, Imperial College London, UK

Title: Chemical properties of Ca-Ag binaries – a key for understanding of their behavior under ethylene epoxidation conditions
Iryna Antonyshyn, Max-Planck-Institut für Chemische Physik fester Stoffe, Germany
Title: Nitrate and nitrite reduction in aqueous phase by using size-controlled Pt nanoparticles
Satu Pitkäaho, University of Oulu, Finland
Title: To be Announced
Karine Philippot, LCC-CNRS, France
Title: Microstructural evolution of Co catalysts during activation and Fischer-Tropsch reaction investigated by operando Transmission Electron Microscopy (TEM)
Sylvie Maury, IFPEN-Lyon, France
Title: 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
Abiodun O. Eseola, Institute of Inorganic and Analytical Chemistry, Germany
Title: Graphene-Nickel Interface-Induced "Electron Pump" Catalytic Mechanism on Metal Deposition
Jong-Sung Yu, Daegu Gyeongbuk Institute of Science and Technology, South Korea
Title: Pincer Metal Catalysts for Green Chemistry
Albert Poater, Universitat de Girona, Spain
Title: To be Announced
Kartick C Mondal, Shell Technology Centre Bangalore, India
Title: Design of photo-Fenton-type catalyst for wastewater treatment at neutral pH
Nataša Novak Tušar, National Institute of Chemistry, Slovenia
Title: Tuning of Plasmonic Near-Field Enhancement in Photocatalytic and SERS Applications
Sammy W. Verbruggen, University of Antwerp, Belgium

Title: The inhibition of hydrogen and oxygen recombination by halogen atoms and its effect on over-all
Gongxuan Lu, Chinese Academy of Sciences, China
Title: Aerobic Methane Oxygenation to Methanol with Chlorine Dioxide Radical
Kei Ohkubo, Osaka University, Japan
Title: To be Announced
Kuen-Song Lin, Yuan Ze University, Taiwan
Title: Synthesis of Green Fluorescent Carbon Dots: Selective Adsorption of Palladium Octahedral Nano
Mohammad Sadiq, University of Malakand, Pakistan
Title: Photocatalytic CO2 reduction to fuels by Cu2O based nanomaterials
Ying Yu, Central China Normal University, China
Title: Surface Plasmons for Sustainable Energy
Dong Ha Kim, Ewha Womans University, South Korea
Title: The role of nano and subnanosized gold clusters in photocatalytic CH4 transformation and CO2 hydrogenation on titanate nanotubes
János Kiss, University of Szeged, Hungary
Title: Visible and Near-infrared Light Driven Photocatalyst Based on Natural Melanin
Wanjie Xie, Institute for Frontier Materials, Australia
Title: To be Announced
Christopher J. Tassone, Stanford University, CA, USA
Title: To be Announced
J. Oscar C. Jimenez-Halla, University of Guanajuato, Mexico
Title: Role of potassium in the enhancement of the catalytic activity of calcium
Valentina Cantatore, Chalmers University of Technology, Sweden

Title: Theoretical Approach to Study the Solid State and Optical Characteristics of calcium Sulpide[CaS]
Emmanuel Ifeanyi Ugwu, Ebonyi State University, Nigeria
Title: Oxidative desulfurization and simultaneous oxidative denitrogenation of hydrocarbons
Jorge F. Palomeque-Santiago, Instituto Mexicano del Petróleo, México
Title: Catalytic filter for air pollution control based on easily extruded honeycomb monoliths
Tarik CHAFIK, Université Abdelmalek Essaadi, Morocco
Title: Co-Ca catalyzed coal hydrogasification in a pressured fluidized bed
Jicheng Bi, Chinese Academy of Sciences, China
Title: CO2 Methanation over Ni/SiRAlOx Catalyst using Magnetic Nanoparticles as a Magnetically-Induced Heating Source
Kale Sumeet, Université de Toulouse, France
Title: Organolithium Chemistry Using Flow Microreactors and Its Applications to Palladium Catalyzed Crosscoupling
Aiichiro Nagaki, Kyoto University, Japan
Title: Effect of Nitrogen dopant on PtSn Nanocatalysts supported on hollow silica sphere for Acetic Acid Hydrogenation
Yujun Zhao, Tianjin University, China
Title: To be Announced
T. Raja, CSIR-National Chemical Laboratory, India
Title: Comparison of the Electrocatalytic Properties of RuO2-Ta2O5	Ti and IrO2-Ta2O5	Ti during an Electrokinetic Process
Erika Bustos Bustos, Centro de Investigación y Desarrollo Tecnológico en Electroquímica, México
Title: To be Announced
Juan Manriquez, Centro de Investigación y Desarrollo Tecnológico en Electroquímica, México

Title: Carbonophosphates: Synthesis, characterization, catalytic properties and applications in the degradation of organic pollutants in Fenton-like systems
Francisco Laerte de Castro, Centre for Gas and Renewable Energy Technologies, Brazil
Title: Enzyme molecular design in synthetic biology: a key role from proof-of-concept towards precision function
Yan Feng, Shanghai Jiao Tong University, China
Title: Environmental Catalysis - A Way to Sustainable Future
Riitta L. Keiski, University of Oulu, Finland
Title: Catalytic Fast Hydropyrolysis of Lignocellulosic Biomass to Valuable Chemicals
Vinu Ravikrishnan, Indian Institute of Technology Madras, India
Title: Synthesis of Light Hydrocarbons via Oxidative Coupling of Methane over Alpha-Cristobalite-Supported Mixed Metal Oxides Catalysts
Anusorn Seubsai, Kasetsart University, Thailand
Title: Transient Phenomena in Photocatalysts, as Studied by Ultrafast FTIR Measurements
Yaron Paz, Israel Institute of Technology, Israel
Title: Hydrogen Production by Dehydrogenation of Formic Acid Using Iridium Catalysts
Yuichiro Himeda, National Institute of Advanced Industrial Science and Technology, Japan
Title: Development of Catalytic La-based Perovskite Redox Materials for Solar Thermochemical Conversion of CO2
Majeda Khraisheh, Qatar University, Qatar
Title: High-pressure hydrogen production over 150 MPa from formic acid dehydrogenation catalyzed by homogeneous Ir catalysts
Hajime Kawanami, National Institute of Advanced Industrial Science and Technology, Japan
Title: Plasmon-mediated chemical reactions
Zhongqun TIAN, Xiamen University, China

Title: “Bio-based solvent”: New solvent for the synthesis of heterocycles containing oxygen, sulfur and nitrogen
Joana Filomena Mimoso Silva de Campos, Institut de Chimie Organique et Analytique, France
Title: Improving electrocatalytic performance of transition metal phosphides through rational compositional and microstructural engineering
Lifeng Liu, International Iberian Nanotechnology Laboratory, Portugal
Title: H-active species in the hydrogen spillover effect?
M. M. Bettahar, Lorraine University, France
Title: Modified SCR Catalysts for the Selective Catalytic Oxidation of Slip Ammonia and Elemental Mercury
Naiqiang Yan, Shanghai Jiao Tong University, China
Title: Effects of Nickel Loading on the Activity and Stability of Ni/Al2O3 Nano-Catalysts for Dry Reformation of Methane
Mahmoud Khader, Qatar University, Qatar
Title: Selective Chlorination of Methane with Molecular Chlorine Gas over Zeolite-Based Heterogeneous Catalysts with Controlled Acidity
Kyungsu Na, Chonnam National University, South Korea
Title: To be Announced
Willem Buijs, Delft University of Technology, Netherlands
Title: Indicators of performance for construction photocatalytic materials
Marta Castellote, CSIC, Spain
Title: Rapid assessment of the photocatalytic activity in construction materials: pros and cons of reductive inks (Rz and NBT) versus hydroxyl radical determination and Rhodamine photo-bleaching
Marta Castellote, CSIC, Spain
Title: Design and construction of polymeric carbon nitride based photocatalysts with enhanced photocatalytic activity
Xiaoming Fang, South China University of Technology, China

Title: Graphene-Based Electrocatalysts: Synthesis and Application
Junzhong Wang, Chinese Academy of Sciences, China
Title: Iron catalyst supported on carbon nanotubes from CH4 model biogas for CO2 hydrogenation
Attera Worayingyong, Kasetsart University, Thailand
Title: Natural wolframite as a novel anionic photocatalyst with stable visible- light photocatalysis towards organics degradation and bacterial disinfection
Yan Li, Peking University, China
Title: Ag doped g-C3N4 nanowires design as an efficient photoanode for solar water oxidation
Byeong-Kyu Lee, University of Ulsan, South Korea
Title: To be Announced
Bingyang Bai, Chinese Research Academy of Environmental Sciences, China
Title: DFT analyses on coke-resistant properties of the methane tri-reforming catalysts
Supareak Praserthdam, Chulalongkorn University, Thailand
Title: Heterogeneous Iron-catalyzed chemoselective conversion of carboxylic acids
Jiang Li, China University of Petroleum, China
Title: Deposition of Pt nanoparticles on TiO2 by pulsed direct current magnetron sputtering for selective hydrogenation of vanillin to vanillyl alcohol
Boontida Pongthawornsakun, Chulalongkorn University, Thailand
Title: To be Announced
Itzel Guerrero, National Autonomous University of Mexico, Mexico
Title: Emerging Trends in Employing Graphene-based Nanocatalyst as Oxidation Catalysts
Mohammed Rafiq H Siddiqui, King Saud University, Saudi Arabia

Title: Investigation of the WO3 surface structures on SiO2 and Al2O3 supports for Lewis acid transformation to Bronsted acid over the hybrid catalysts under hydrogen atmosphere by in situ DRIFTS
Adisak Guntida, Chulalongkorn University, Thailand
Title: Hydrogen activated WOx-supported catalysts for Lewis acid transformation to Bronsted acid observed by in situ DRIFTS of adsorbed ammonia: Effect of support on the Lewis acid transformation
Sirawat Boonpai, Chulalongkorn University, Thailand
Title: Effect of preparation method on the Pt-In modified MgAlO catalysts over dehydrogenation of propane
Weerachon Tolek, Chulalongkorn University, Thailand
Title: To be Announced
Sureeporn Saknaphawuth, Chulalongkorn University, Thailand
Title: Influence of coke formation on propylene adsorption ability on WOx/SiO2 in propylene self-metathesis
Thotsatham Takkawatakarn, Chulalongkorn University, Thailand
Title: Effect of cobalt on Na-ZSM-5 and H-ZSM-5 in 1-butene cracking reaction
Chanon Auepattana-aumrung, Chulalongkorn University, Thailand
Title: Highly active and stable Ni-incorporated spherical silica catalysts for CO2 methanation
Sasithorn Kuhaudomlap, Chulalongkorn University, Thailand
Title: Preparation of aluminum magnesium oxide by different methods for use as PtSn catalyst supports in propane dehydrogenation
Tananya Srisakwattana, Chulalongkorn University, Thailand
Title: Effect of tungsten oxide reducibility on tungsten-doped spherical silica catalysts in ethylene hydrogenation
Suthasinee Watmanee, Chulalongkorn University, Thailand
Title: Catalyst pellet design of WO3/SiO2 and hydrotalcite binder for propylene self-metathesis
Sirada Sripinun, Chulalongkorn University, Thailand

Title: The effect of TiO2 phase and SiO2 supports on methyl oleate epoxidation
Nichaphat Sangkanchanavanich, Chulalongkorn University, Thailand
Title: Enhanced photocatalytic disinfection effect of thermal treated natural magnetic sphalerite under visible light for the inactivation of Escherichia coli K-12
Huadan Liu, Sun Yat-sen University, China
Title: Silicon carbide foams supporting hierarchical porous three-dimensional carbon derived from sludge as stable and high performance Fenton-like catalyst for sulfur-containing volatile organic compounds decomposition
Qing Zhang, Sun Yat-sen University, China
Title: Removal of odorous methyl mercaptan by CuO-sludge-derived carbon dispersed on silicon carbide foams activated persulfate
Huanjunwa He, Sun Yat-sen University, China
Title: Profiles of temperature, velocity and gas composition - matching operando MRI measurements and simulation
Harm Ridder, Harm Ridder, Germany
Title: Modelling of catalyst supports - development of design rules using CFD
Mehrdad Sadeghi, Harm Ridder, Germany
Title: Heat transfer characteristics of open cell foams used as catalyst support
Christoph Sinn, Harm Ridder, Germany
Title: Synthesis of Ru catalyst Supported on Al-SBA-15 by Chemical Fluid Deposition for Hydrogenation of Dimethyl Terephthalate in Water
Chung-Sung Tan, National Tsing Hua University, Taiwan
Title: New coordination polymer of copper(I) containing benzotriazole ligand. Synthesis, characterization and catalytic activity for cycloaddition
John J. Hurtado, Universidad de los Andes, Colombia
Title: To be Announced

Feng Ouyang, Harbin Institute of Technology, China
Title: To be Announced
Yuesong Shen, Nanjing Tech University, China
Title: Probing the Spin State on C-Scorpionate [Fe(II)Cl2(tpm)] Catalyst: an Experimental and Computational study
Silvia Carlotto, University of Padova, Italy
Title: To be Announced
Andraz Suligoj, National Institute of Chemistry, Slovenia
Title: Carbonaceous Pd Nanoparticles Supported on the Superficial Area of Mesoporous Silica Materials for Production of High-quality Biodiesel Fuels for Use in High-Blends
Shih-Yuan Chen, Energy Catlayst Technology Group, AIST, Japan
Title: CO2 hydrogenation to produce formic acid in trickle bed reactor
Kwang-Deog Jung, Korea Institute of Science and Technology, South Korea
Title: Synergistic Catalysis of nano-metal and semiconductor (metal oxides) molecular/atomic-layer film coated on the support of Novel Hybird complex nano-structured Pt, Pd Catalyst prepared by photochemical route
Zhou Jicheng, Xiangtan University, China
Title: Excited State Catalysis by group-10 transition metal for C-C coupling: Theoretical Perspective
Bholanath Maity, King Abdullah University of Science and Technology, Saudi Arabia
Title: Systematic Development of Class Based Catalytic Reaction Mechanisms via Variational Transition State Based Methods
R. Peter Lindstedt, Imperial College London, UK
Title: DFT+U study on the adsorption of NO on Pd and Rh substituted CeO2 (110) surfaces
Yasemin Kaya, Middle East Technical University, Turkey
Title: CO2 methanation on novel Mg-promoted Fe catalysts
Zeynep Baysal, Institute of Energy Process Engineering and Chemical Engineering, TU Bergakademie Freiberg, Germany

Title: Investigation on the increased stability of the Ni-Co bi-metallic catalysts for the carbon dioxide reforming reaction of methane: an experimental-computational approach
Anchittha Liu, Chulalongkorn University, Thailand
Title: Construction of complex nanostructures for efficient solar energy conversion
Yan-Gu Lin, National Synchrotron Radiation Research Center, Taiwan
Title: Niobium and Zirconium Oxides Based Catalysts and Super Acidified Ion Exchange Resins as Efficient Catalysts for Dehydration of Fructose to HMF
Joao Guilherme Rocha Poco, FEI University, Brazil
Title: Graphene as a Drug Carrier - Carrier Activation, Drug Attachment and Its Enzymatic Release
Anna Trusek, Wroclaw University of Science and Technology, Poland

Poster presentations continued in the next page

Poster Presentations

Title: Theoretical and Experimental Investigation Towards Designing More Active And Selective Catalysts For Selective Hydrogenation of Biomass
Wenrui Chai, University of Texas at Austin, USA
Title: Investigation of palladium nanoparticles loaded onto TiO-2 nanorod/FTO for enhancement of photoelectrochemical performance
Fang LI, University of Hong Kong, Hong Kong, China
Title: CO2 absorption through large scale module of ceramic hollow fiber membrane contactors with
Jung Hoon Park, Dongguk University, South Korea
Title: To be Announced
Tran Thanh Nhan, Daegu Gyongbuk Institute of Science and Technology, South Korea
Title: To be Announced
Byong-June Lee, Daegu Gyongbuk Institute of Science and Technology, South Korea
Title: Zeolitic Imidazolate Framework-Based Fe-N-Functionalized Carbon Electrocatalyst for Oxygen
Jong-Sung Yu, Daegu Gyongbuk Institute of Science and Technology, South Korea
Title: Preparation and characterization of hollow fiber type zeolite catalyst for the endothermic
Jung Hoon Park, Dongguk University, South Korea
Title: To be Announced
Zhigang Zou, Nanjing University, China
Title: Structural effects of mesoporous silica on heterogeneous enantioselective hydrogenation
Jeongmyeong Kim, Pohang University of Science and Technology, South Korea
Title: Cu-promoted zirconia catalysts for non-oxidative propane dehydrogenation
Namgi Jeon, Pohang University of Science and Technology, South Korea

Title: An effective Ag-Cu/HMS bimetallic catalyst for the chemoselective hydrogenation of methyl acetate to ethanol
Haibing Sheng, East Chain University of Science and Technology, China
Title: Enhancement of Radioactive Cs Removal using Prussian Blue/TiO2 under UV irradiation
Soonhyun Kim, University in Daegu, South Korea
Title: To be Announced
Guo Yangyang, Chinese Academy of Sciences, China
Title: Bimetallic catalysts derived from perovskites for ethanol steam reforming
Maria do Carmo Rangel, Universidade Federal da Bahia, Brazil
Title: The effect of template on the properties of mesoporous carbon-supported copper in phenol removal
Maria do Carmo Rangel, Universidade Federal da Bahia, Brazil
Title: Utilization of CO2 towards Solar Fuel Production via Ferrite Based Thermocatalytic Redox Reactions
Majeda Khraisheh, Qatar University, Qatar
Title: GaSb nanowires catalytic activity in the decomposition and adsorption of H2S: a first principles study
Lucia Guadalupe Arellano Sartorius, Instituto Politécnico Nacional, Mexico
Title: To be Announced
Qijie Jin, Nanjing Tech University, China
Title: To be Announced
Lin Chu, Nanjing Tech University, China
Title: The effect of template on the properties of mesoporous carbon-supported copper in phenol removal
Qiang Zhang, Kochi University of Technology, Japan
Title: Enhancement of Catalytic NOx removal Using Intermittent Plasma-assisted Decomposition of Hydrocarbon Additive
Young Sun Mok, Jeju National University, South Korea

Title: Effects of reduction of graphene on the hydrogen storage capacities of metal-graphene nanocomposite
Athule Ngqalakwezi, University of Witwatersrand, South Africa
Title: Investigation of Nanoporous Metal Oxide towards Oxygen Evolution Reaction
Chanho Pak, Gwangju Institute of Science and Technology, South Korea
Title: Effect of Vinyl Phosphonic Acid Addition with Different Binders on Performance of MEA for High Temperature Polymer Electrolyte Membrane Fuel Cell
Chanho Pak, Gwangju Institute of Science and Technology, South Korea
Title: A cleaner route for hydrodeoxygenation of oleic acid in hexane containing pressurized CO2 over silica supported mono and multimetallic catalysts
Saurav Bhattacharjee, National Tsing Hua University, Taiwan
Title: Amorphous Iron and Cobalt Based Phosphate Nanosheets Supported on Ni Foam as Superior Catalysts for Hydrogen Evolution Reaction
Cong Li, The Hong Kong University of Science and Technology, Hong Kong
Title: To be Announced
Faris Abdullah Alzahrani, Saudi Arabia
Title: Preparation of SAPO-34 Molecular Sieve by Mother Liquor Induction for MTO Reaction Low template induced synthesis of SAPO-34
Zhen Liu, China University of Petroleum, China
Title: Cobalt and Molybdenum Based Sulfide Catalyst Supported on Nickel Foam for Efficient pH-universal Hydrogen Evolution Reaction
Xuanhao Mei, The Hong Kong University of Science and Technology, China

Poster Slots Available

Exhibition space and Sponsorship opportunities are available

This is a Tentative program, subjected to Change

We wish to see you

at

Houston, TX

UNITED Scientific Group

A non-profit organization (501 C 3 status pending)

8105, Rasor Blvd - Suite #112, PLANO, TX 75024, USA

Ph: +1-408-426-4832, +1-408-426-4833; **Toll Free:** +1-844-395-4102; **Fax:** +1-408-426-4869

Email: catalysis@uniscigroup.net

Web: www./unitedscientificgroup.com/conferences/catalysis/