Global Conference on Catalysis and Reaction Engineering

Accentuate Innovations and Emerging Novel Research in Catalysis

Tentative Program

October 19-21, 2017 | Las Vegas, USA
Keynote Presentations

Title: Advances in the direct synthesis of hydrogen peroxide using Au catalysts
Jennifer Edwards, Cardiff University, UK

Title: Decoration of acyclic amines via metal catalyzed C-H activation reactions
Michael Schnurch, TU Wien, Austria

Title: Isotope tracer studies on the mechanism of Fischer-Tropsch synthesis: its impacts on selective catalysts developments, geoscience, planetary studies and the origin of hydrocarbons on the Earth
Buchang Shi, University of Kentucky, USA

Title: Photodynamic Therapy (PDT) of Tumors: An Overview of Long-Term Team(s) Four Decades Experience
Mohamed El-Far, Mansoura University, Egypt

Oral Presentations

Title: Subnanometer to Nanometer Size-Selected Clusters: Size Effects in Catalysis, Electrocatalysis and Batteries
Stefan Vajda, Argonne National Laboratory, USA

Title: Genomic Bioprospecting of Cellulolytic Thermophiles Isolated from Yellowstone National Park
Joshua Ohair, Tennessee State University, USA

Title: Refining Renewables via Homogeneously Catalyzed Carbonylation Reactions - Tandem Reactions, Catalyst Recycling, Process Development
Tom Gaide, Technical University of Dortmund, Germany

Title: Promotion of Platinum for Light Alkane Dehydrogenation: Geometric and Electronic Effects
Jeffrey T Miller, Purdue University, USA

Title: Development of a New Approach to Study of Catalytic Reaction Mechanisms
Irina Khalfina, Novosibirsk State University, Russia

Title: Catalysis effects over atmospheric particles composed by H2O, HCl, HNO3 and H2SO4: quantum analysis
Maria de los Angeles Verdes Gago, Autonomous University of Madrid, Spain

Title: Tuning the Surface Adsorption Properties of Polymer Sorbents via Facile Methods
Lee D. Wilson, University of Saskatchewan, Canada

Title: Single Source Precursor Approach for the Synthesis of Bimetallic Molybdate Catalysts
Allen Apblett, Oklahoma State University, United States

Title: Catalytic progress in the polymerization process of environmental-friendly polymer (PLA): Reaction mechanism modelling approach
Satya P. Dubey, Cranfield University, UK

Title: Multifunctional Catalytic Reactors for Clean Energy Production
Francisco R. Garcia-Garcia, University of Edinburgh, UK

Title: Design of bifunctional catalysts on the basis of nano-sized K-modified transition metal sulfides for HDS of oil fractions and syngas conversion into alcohols and other oxygenates
Victor M. Kogan, Zelinsky Institute of Organic Chemistry, Russia

Title: Photo-switchability of Au-Co Alloy Nanoparticles in Green Chemical Syntheses
Erandi Sakunthala Peiris Prangige, Queensland University of Technology, Australia
Title: Visible light driven photoelectrochemical reduction of carbon dioxide to fuel at graphene modified CuFe2O4
Md. Maksudur Rahman Khan, Universiti Malaysia Pahang, Malaysia

Title: The use of industrial wastes as catalysts of oxidative processes
L. A. Voropanova, North-Caucasian Mining-Metallurgical Institute, Russia

Title: Gold Photoredox catalysis in Organic Synthesis
Jin Xie, Heidelberg University, Germany

Title: Pt and Pd Clusters Confined in the Bulk of Fiberglass as an Effective Heterogeneous Catalysts
Bair S. Bal’zhinimaev, Boreskov Institute of Catalysis, Russia

Title: Oxidation of sulfur dioxide to sulfur trioxide over V2O5/TiO2 catalyst and sulfur balance
Tingyu Zhu, Chinese Academy of Sciences, China

Title: CO2 Conversion from flue gas using a Catalytic Hybrid Inorganic Membranes
Edidiong Okon, The Robert Gordon University Aberdeen, United Kingdom

Title: Photo-oxidation reaction scheme triggered by the nozzle of submerged plasma torch
Florent Lemont, Atomic Energy Commission, Marcoule, Bagnols-sur Cèze Cedex, France

Title: Active carbons as nanoporous materials for solving of environmental problems
Victor Mukhin, Neorganika, Elektrostal, Russia

Title: Fischer-Tropsch synthesis catalyzed by small TiO2 supported cobalt nanoparticles prepared by sodium borohydride reduction
Jorge A. Delgado Delgado, Rovira I Virgili University, Spain

Title: Fabrication of CNT-Based Smart Tips for Synchrotron Assisted STM- a Tool for Catalyst Characterization
Hui Yan, University of Louisiana at Lafayette, USA

Title: Microwave-Assisted Synthesis of a MK2 Inhibitor by Suzuki-Miyaura Coupling for Study in Werner Syndrome Cells using using a palladium catalyst
Mohammed A Baashen, Shaqra University, Saudi Arabia

Speaker Slots Available

Day 2 October 20, 2017 (Friday)

Keynote Presentations

Title: A novel reactor design for the production of nanocarbons and synthesis gas from catalytic reforming
Nicolas Abatzoglou, University of Sherbrooke, Canada

Title: Design and Applications of Single-Site Zeolite Catalysts
Stanislaw Dzwigaj, Sorbonne University, France

Title: Yet to be decided
Steven D. Schwartz, University of Arizona, USA

Title: Photocatalysis for degradation of environmental pollutants under VUV irradiation
Dennis Y.C. Leung, University of Hong Kong, Hong Kong

Oral Presentations

Title: Photoelectrocatalytic conversion of quinone/bromine redox couples on dual-silicon electrodes for solar energy storage
JingYing Shi, Chinese Academy of Sciences, China
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<thead>
<tr>
<th>Title</th>
<th>Author</th>
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<tbody>
<tr>
<td>Title: Flexible supercapacitor characteristics from several composite materials</td>
<td>Hee-Je Kim, Pusan National University, South Korea</td>
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<td>Title: Catalytic Micro-Channel Combustor For Low-Emission High Energy Density Applications</td>
<td>Jose Manuel das Neves Rodrigues, University of Lisbon, Portugal</td>
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<td>Title: Pycnoporus laccase production, properties, and its novel application</td>
<td>Jiayang Liu, Huanghuai University, China</td>
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<td>Title: Photocatalytic hydrogen evolution from water splitting over mixed valence tin oxide semiconductor under visible light irradiation</td>
<td>Toyokazu Tanabe, Kanagawa University, Japan</td>
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<td>Title: Synthesis of new water-soluble platinum(II) complexes by Phase Transfer Catalysis</td>
<td>Jaafar Kadhum Jawad, International University of Erbil, Erbil - Kurdistan - Iraq</td>
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<td>Title: An Investigation into the Effect of Li and Mn Promotions on the Activity and Selectivities to Olefins and Alcohols of Co@Co2C/Activated Carbon (AC) for Fischer-Tropsch Reaction</td>
<td>Yunjie Ding, Chinese Academy of Sciences, China</td>
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<td>Title: Nanocrystalline Synthetic Ferrihydrite as a Catalyst for Fischer-Tropsch Synthesis</td>
<td>Dong Hyun Chun, Korea Institute of Energy Research, Republic of Korea</td>
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<td>Title: Yet to be decided</td>
<td>Zhenyu Zhang, University of Science and Technology, China</td>
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<td>Title: Reaction of C2H4 under Lower Temperature Fischer-Tropsch Conditions on a TiO2 Supported Cobalt Catalyst with Co-feeding of H2 and Syngas</td>
<td>Xiaojun Lu, University of South Africa, South Africa</td>
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<td>Title: Environmental catalysis: remove nitrogenous compounds from waste water</td>
<td>Binghui Chen, Xiamen University, China</td>
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<td>Title: Au/ Cu-FeLa-Al2O3: A highly active, selective and stable catalyst for preferential oxidation of carbon monoxide</td>
<td>Caixia Qi, Yantai University, China</td>
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<td>Title: Catalytic ethanol dehydration in BEA zeolite: effect of solid state dealumination conditions</td>
<td>Silvia C. L. Dias, University of Brasilia, Brazil</td>
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<td>Title: Kinetic and Equilibrium Studies on Adsorption of Methylene Blue in Aqueous Solution onto Activated Carbon by H3PO4 Activation from the Hulls of Vitex doniana</td>
<td>Massai Harouna, University of maroua, Africa</td>
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<td>Title: La and Mn co-doped BiFeO3 nanostructures with gyroid-like mesoporous network for improved photocatalytic activity</td>
<td>Syed Irfan Ali, Tsinghua University, China</td>
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<td>Title: Engineering High-Performance Nanocatalysts via Heterogeneous Gas-Phase Synthesis</td>
<td>Mukhles Sowwan, Okinawa Institute of Science and Technology, Japan</td>
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<td>Title: Flexible CNT/metal-sulfide composite electrode for energy conversion and energy storage applications</td>
<td>Chandu Venkata Veera Muralee Gopi, Pusan National University, South Korea</td>
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<td>Title: Fabrication of GNP@porphyrin Nanofibers Hybrid Material and its Photocatalysis for Degradation of Dyes</td>
<td>Duong Duc La, RMIT University, Australia</td>
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Title: Selective conversion of methanol to para-xylene over Zn doped core-shell zeolite catalyst
Koji Miyake, Osaka University, Japan

Title: Design of a highly efficient natural gas fuel processor for residential PEM fuel cells
Wang Lai Yoon, Korea Institute of Energy Research, Rep. of Korea

Title: Cobalt(III)-Supported Chemically Modified Mesoporous Silica as Heterogeneous Oxidation Catalyst
Purabi Sarmah, Nalbari College, India

Title: Synthesis and Characterization of Mo Oxides thin film on Alumina Single Crystal (α-0001)
Ibrahim Garba Wawata, Kebbi State University of Science and Technology, Nigeria

Title: Trinuclear Microporous Coordination Polymers as Catalysts for Oxidation of Arylboronic Acids into Phenols
Sanchay Jyoti Bora, Pandu College, India

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Day 3 October 21, 2017 (Saturday)

Keynote Presentations

Title: Heterogeneous catalysts from waste biomass and their applications
Dibakar Chandra Deka, Gauhati University, India

Title: Mesoporous silica is a mysterious material: From viewpoints of its catalysis for direct amidation reaction of carboxylic acids and amines
Kenichi Komura, Gifu University, Japan

Title: A new Approach to Modeling the Catalytic Processes in Industrial Column Apparatuses
Christo Boyanov Boyadjiev, Bulgarian Academy of Sciences, Bulgaria

Oral Presentations

Title: The role of catalyst to enhance the reduction of Environmental pollution by modern technology
Sudhanshu Dhar Dwivedi, Govt Benazir Science and Commerce College, India

Title: Pt-alloy nanocatalyst supported on nano-carbon as a novel cathode electrocatalyst for low temperature fuel cell
Sundara Ramaprabhu, Indian Institute of Technology, India

Title: Photoactive Anisotropic Plasmonic Metal-Semiconductor Nanohybrids For Improved Solar-Fuel Conversion Systems
Firdoz Shaik, Technion-Israel Institute of Technology-Haifa, Israel

Title: Sustainable Synthesis of 2-Arylbenzoxazoles over a Cobalt-based Nanocomposite Catalyst
Jian He, Shanghai Jiao Tong University, China

Title: Production of Novel Fe(II)Phthalocyanine Complex-TiO2 Nanocomposite Catalysts
Munevver Sokmen, Karadeniz Technical University, Turkey

Title: Catalytic Valorization of Carbohydrates Using Sulfate Ion Promoted Zirconia Catalyst
Samuel Kassaye Degife, Indian Institute of Technology, India.

Title: Inhibitive Tendency of Zinc Gluconate for Engineering Materials In Corrosive Environments
Omotayo Sanni, Tshwane University of Technology, South Africa
Title: Transesterification of non-edible vegetable oils to biodiesel using a heterogeneous catalyst derived from banana plant
Md. Abdul Halim Shah, D.M. College of Science, Dhanamanjuri University, India

Title: Study on the Treatment of Effluents from Paint Industry by Modified Electro-Fenton Process
Ahmed Mostafa Sadek, The Egyptian Ethylene and Derivatives Company (ETHYDCO)-Alexandria, Egypt

Title: A novel heterogeneous catalyst from red cotton flowers and its applications
Hitesh Barman, Rangia College, India

Title: Deactivation kinetics of Pt-Sn/Al2O3 catalyst in the dehydrogenation of light alkanes
Saeed Sahebdelfar, Petrochemical Research and Technology Company, Iran

Title: Thermodynamic, Kinetics, Mechanical, Electrical and Surface Study of Corrosion Inhibitor
Vishal Saini, JGPG College, India

Title: Anthranilic acid, Chemical reagent or organocatalyst: a new and efficient method for the synthesis of quinazoline derivatives
Hamidreza Safaei, Islamic Azad University, Iran

Title: Photocatalytic properties of different Titanium Dioxide nanocomposites
Sanaz Raeis Farshid, Islamic Azad University, Iran

We wish to meet you @

GCR- 2017
During October 19-21, 2017 at Las Vegas, USA

Questions? Contact +1 (702) 988-2320 or
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