GCR 2017

Global Conference on Catalysis and Reaction Engineering

Accentuate Innovations and Emerging Novel Research in Catalysis

Tentative Program

October 19-21, 2017 | Las Vegas, USA

Program

Day 1 October 19, 2017 (Thursday)

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, Eastern Kentucky University, 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

Program

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: Sub-micromolar reaction screening in flow
Neal Sach, Pfizer Inc, USA

Title: Hydrodeoxygenation of furylmethane oxygenates to jet and diesel ranged fuels: Probing the reaction network with supported palladium catalyst and hafnium triflate promoter
Saikat Dutta, University of Delaware, United States

Title: New model for the description of sorptive and textural properties of CaO-based sorbents changing during repetitive sorption/regeneration cycles
Vladimir S. Derevschikov, Novosibirsk State University, Russia

Title: Calcined tertiaries hydrotalcites as supports of como based catalysts for the hydrodesulfurization reaction of dibenzothiophene
Edwin Oviedo, University of Carabobo, Venezuela

Title: Assessment of the production of hydroxyl radical using nano zero-valent iron embedded in a meso-porous silica matrix
Erick R. Bandala, Desert Research Institute, USA

Title: CO2 activation and reduction catalyzed by FeS nanocatalyst: A DFT study
Nelson Y. Dzade, Utrecht University, Netherlands

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: 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: Cobalt-based nanocatalysts for effective conversion of syngas to hydrocarbons in a silicon microreactor
Debasish Kuila, North Carolina A&T State University, USA

Title: Fexible supercapacitor characteristics from several composite materials
Hee-Je Kim, Pusan National University, South Korea

Title: Closed loop multi target optimization for discovery of chemical reactions
Yehia Amar, University of Cambridge, United Kingdom

Title: GaN a novel catalyst material for the direct non-oxidative methane aromatization
Jan Kopyscinski, McGill University, Canada

Title: Synthesis of new water-soluble platinum(II) complexes by Phase Transfer Catalysis
Jaafar Kadhum Jawad, International University of Erbil, Erbil - Kurdistan - Iraq

Title: Inline concentration profiles in enzyme catalyzed reactive rectification using infrared spectroscopy
Marc Andreas Christlieb, University of Hamburg, Germany

Title: Catalytic Micro-Channel Combustor For Low-Emission High Energy Density Applications
Jose Manuel das Neves Rodrigues, University of Lisbon, Portugal

Title: Pycnoporus laccase production, properties, and its novel application
Jiayang Liu, Huanghuai University, China

Title: Photocatalytic hydrogen evolution from water splitting over mixed valence tin oxide semiconductor under visible light irradiation
Toyokazu Tanabe, Kanagawa University, Japan

Title: Photoelectrocatalytic conversion of quinone/bromine redox couples on dual-silicon electrodes for solar energy storage
JingYing Shi, Chinese Academy of Sciences, China

Title: An Investigation into the Effect of Li and Mn Promotions on the Activity and Selecivities to Olefins and Alcohols of Co@Co2C/Activated Carbon (AC) for Fischer-Tropsch Reaction
Yunjie Ding, Chinese Academy of Sciences, China

Title: Nanocrystalline Synthetic Ferrihydrite as a Catalyst for Fischer-Tropsch Synthesis
Dong Hyun Chun, Korea Institute of Energy Research, Republic of Korea

Title: Yet to be decided
Zhenyu Zhang, University of Science and Technology, China

Title: Reaction of C2H4 under Lower Temperature Fischer-Tropsch Conditions on a TiO2 Supported Cobalt Catalyst with Co-feeding of H2 and Syngas
Xiaojun Lu, University of South Africa, South Africa

Title: Environmental catalysis: remove nitrogenous compounds from waste water
Binghui Chen, Xiamen University, China

Title: Au/ Cu-FeLa-Al2O3: A highly active, selective and stable catalyst for preferential oxidation of carbon monoxide
Caixia Qi, Yantai University, China

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
Massai Harouna, University of maroua, Africa

Title: La and Mn co-doped BiFeO3 nanostructures with gyroid-like mesoporous network for improved photocatalytic activity
Syed Irfan Ali, Tsinghua University, China

Title: A continuous catalytic and environmentally benign alkene epoxidation method
Misbahu Ladan Mohammed, Usmanu Danfodiyo University, Nigeria

Title: Engineering High-Performance Nanocatalysts via Heterogeneous Gas-Phase Synthesis
Mukhles Sowwan, Okinawa Institute of Science and Technology, Japan

Title: Flexible CNT/metal-sulfide composite electrode for energy conversion and energy storage applications
Chandu Venkata Veera Muralee Gopi, Pusan National University, South Korea

Title: OsO4 catalysed oxidation of atropine sulphate monohydrate with chloramine-T in alkaline medium: Delineation of mechanistic pathways and kinetic modelling
Nirmala Vaz, Jyoti Nivas College Autonomous, India

Title: Nanozyme: Discovery and its applications in medicine
Xiyun Yan, Chinese Academy of Sciences, China

Title: Lewis acid- and proton acid- promoted plefin epoxidation by a non-heme manganese catalyst
Kye-Ryong Sin, Kim Il Sung University, Republic of Korea

Title: Comparative assessment of amine modified cow bone and coconut shell activated carbon for carbon dioxide adsorption
Mohammed Umar Garba, Federal University of Technology, Nigeria

Title: Regioselective synthesis of spiroheterooxoindolines
Safar Poghosyan, National Academy of Sciences of the Republic of Armenia, Armenia

Title: Tenable low cost metals nanoparticles for favorable oxidation of benzyl alcohol
Mohammad Sadiq, University of Malakand, Pakistan

Title: Controllable oxidation of cyclohexane to KA oil using manganese ferrite nanoparticles
Saima Sadiq, Kyungpook National University, South Korea

Title: Biodiesel production from edible oil wastewater sludge with bioethanol using nano-magnetic catalysis
Wighens Ngoie Ilunga, Cape Peninsula University of Technology, South Africa

Title: Effects of micellar solution on the electrocatalytic activity of cyanocobalamin towards the reduction of organochlorine pesticide 2,2,2-Trichloro-1,1-Bis(4-Chlorophenyl)Ethanol (Dicofol) on a pyrolytic graphite electrode
Tabitha Wangui Wanjau, Kisii University, Kenya

Title: Evaluation of photocatalytic activity of magnetic zeolite/bismuth-manganese oxide composite in the degradation of distillery wastewater under UV-A irradiation
Jacob Ochieng Kitinya, Tshwane University of Technology, South Africa

Poster Presentations

Title: Supported silver nanoparticles for catalytic reduction processes
Lee D. Wilson, University of Saskatchewan, Canada

Title: Fabrication of GNPs@porphyrin Nanofibers Hybrid Material and its Photocatalysis for Degradation of Dyes
Duong Duc La, RMIT University, Australia

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: Reusable Cu catalysts dispersed on two types of supports and its application in the [3+2] cycloaddition in water : Revere phase silica gel and thermoresponsive poly(NIPAM-co-4-VP)
Minkyung Lim, Hanyang university, The republic of Korea

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

Title: Development of new Pd(0) catalysts immobilized on silica-gel : Study of reactivity according to stationary phases for Suzuki-Miyaura coupling reaction in water
Jaeyoung Ban, Hanyang university, Republic of Korea

Title: Selective ethylene tetramerization with metal-organic framework MIL-100(Fe)
Yang Han, China University of Petroleum, China

Title: Silica-immobilized bifunctional L-prolinol organocatalysts: Stereoselective Michael addition in heterogeneous environment
Jiri Tuma, University of Chemistry and Technology Prague, Czech Republic

Title: Effect of transition metal promoter on cobalt based syngas to olefin synthesis
Jayen Barochia, SABIC Research and Technology Centre, Saudi Arabia

Title: Quantification of ligand packing density on Cu nanoparticles and determination of nanoparticles surface area and sizes through quantitative ligand adsorption-chemisorption
Matumuene Joe Ndolomingo, University of Johannesburg, South Africa

Title: Preparation and reduction behavior of carbon composite iron oxide pellets using woody biomass
Hirokazu Konishi, Osaka University, Japan

Title: Copper(I)-catalyzed synthesis of 1,2,3-Triazoles from azidoformates, electron-deficient azides
Heejin Lee, Hanyang university, Republic of Korea

Title: Plasma assisted catalysis system for diesel PM combustion
Yoshiyasu Ehara, Tokyo City University, Japan

Title: Composition dependent reactivity of titanium oxide clusters
Yao Guo, City University of Hong Kong, Hong Kong

Title: Palladium(II) complexes of (benzoimidazol-2-ylmethyl)amine ligands as catalysts for the methoxycarbonylation of olefins
Thandeka Adelinah Tshabalala, University of KwaZulu-Natal, South Africa

Title: Scale up synthesis of mono disperse and stable nickel ferrite NiFe2O4 nanoparticles by microwave combustion method: Catalytic efficiency
Muhammad Imran Din, University of Punjab, Pakistan

Title: Base catalized intramolecular cyclization of unsaturated ammonium salts and recylclization of derivatives of 4-hydroxymethylisoindolinium chlorides
Chukhajian E.O, National Academy of Sciences of Republic of Armenia, Armenia

Title: Synthesis and characterization of the NiFe2O4@TEOS-TPS@Ag nanocomposite and investigation of its antibacterial activity
Shirin Shahabadi, Isfahan University of Technology, Iran

Title: Composition regulated Mo:BiVO4 nanoworm array photoanodes for enhanced photoelectrochemical activity
Huang Miaoyan, City University of Hong Kong, Hong Kong

Title: Bio-reduction of copper salts for synthesis of stable CuO nanoparticles and their catalytic degradation performance
Muhammad Makshoof Athar, University of the Punjab, Pakistan

Speaker Slots Available

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

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: Edible lentinula edodes carbon with NiCo2O4 based hybrid super capacitive material for high capacitance
Vivekanandan Raman, Pusan National University, South Korea

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 Enginerring 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: Oxidation reactions of hydrogen peroxide catalysed with schiff base-complex substituted tri-nuclear phthalocyanine complexes on oxidative bleaching by online spectrophotometric method
Pinar Sen, Sakarya University, Turkey

Title: Impact of platinum group metal ions as catalysts on the oxidative decolorization of azo dyes: Catalytic, kinetic and mechanistic chemistry
Puttaswamy, Bangalore University, India

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

Title: Tailored synthesis of noble metal nanoparticles and mesoporous alumina by microwave assisted technique and its catalytic application for renewable analogues to platform chemicals
Yogeshwar Rajendra Suryawanshi, S.V. National Institute of Technology, India

Title: Evaluation of adding carbon tetrachloride as propulsion to the thermal cracking reactor due to the amount of formed coke in different coil outlet temperatures (COT)
Afshin Davarpanah, Islamic Azad University, Iran

Title: Electrocatalytic decomposition of (3ar,7as)-2-[(Trichloromethyl)Sulfanyl]-3a,4,7,7a-Tetrahydro-1h-Isoindole-1,3(2h)-Dione (Captan) pesticide residue using cyanocobalamin on glassy carbon electrode
Catherine Njambi Muya, Technical University of Kenya, Kenya

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: The development of catalyst based on mineral part of shale for fisher-tropsh synthesis
Ermagambet Bolat, Institute of Coal Chemistry and Technology, Kazakhstan

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

Title: Hydrogen fuel produced by reactions over nanoporous heterogeneous catalysts
Khalid Farhod Chasib, University of Thi Qar, Iraq

Speaker Slots Available