

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

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, University of Kentucky, USA

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: Catalytic progress in the polymerization process of environmental polymer (PLA): Reaction mechanism modelling approach

Satya P. Dubey, Cranfield University, 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: Visible light driven photoelectrochemical reduction of carbon dioxide to fuel at graphene modified CuFe₂O₄

Md. Maksudur Rahman Khan, Universiti Malaysia Pahang, Malaysia

Title: Gold Photoredox catalysis in Organic Synthesis

Jin Xie, Heidelberg University, Germany

Title: Oxidation of sulfur dioxide to sulfur trioxide over V₂O₅/TiO₂ catalyst and sulfur balance

Tingyu Zhu, Chinese Academy of Sciences, China

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: 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

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

Title: Catalytic Micro-Channel Combustor For Low-Emission High Energy Density Applications

Jose Manuel das Neves Rodrigues, University of Lisbon, Portugal

Title: Photocatalytic hydrogen evolution from water splitting over mixed valence tin oxide semiconductor under visible light irradiation

Toyokazu Tanabe, Kanagawa University, Japan

Title: Synthesis of new water-soluble platinum(II) complexes by Phase Transfer Catalysis

Jaafar Kadhum Jawad, International University of Erbil, Erbil - Kurdistan - Iraq

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

Yunjie Ding, Chinese Academy of Sciences, China

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: Catalytic ethanol dehydration in BEA zeolite: effect of solid state dealumination conditions

Silvia C. L. Dias, University of Brasilia, Brazil

Title: La and Mn co-doped BiFeO₃ nanostructures with gyroid-like mesoporous network for improved photocatalytic activity

Syed Irfan Ali, Tsinghua University, China

Title: Engineering High-Performance Nanocatalysts via Heterogeneous Gas-Phase Synthesis

Mukhles Sowwan, Okinawa Institute of Science and Technology, Japan

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: Photodynamic Therapy (PDT) of Tumors: An Overview of Long-Term Team(s) Four Decades Experience

Mohamed El-Far, Mansoura University, Egypt

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: Sustainable Synthesis of 2-Arylbenzoxazoles over a Cobalt-based Nanocomposite Catalyst

Jian He, Shanghai Jiao Tong University, China

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: Deactivation kinetics of Pt-Sn/Al₂O₃ catalyst in the dehydrogenation of light alkanes

Saeed Sahebdehfar, Petrochemical Research and Technology Company, Iran

Speaker Slots Available

We wish to meet you @

GCR- 2017

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

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

Inquires: catalysis@magnusconferences.com

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