

# **GSCRA-2019**

*Global summit on*

## **Catalysis Research and Applications**

*March 27-29, 2019 | Hotel Golden Tulip Isola Sacra  
Rome Airport - Fiumicino, Rome, Italy*



## Day1 Wednesday March 27, 2019

### Morning

08:00-09:00 : Registrations

09:00-09:40 : Introduction and Plenary Talk

**Universalism of inhibitors against hydrogen sulfide and carbon dioxide corrosion of steel**

*L.E. Tsyganlova, Derzhavin State University, Russia*

09:40-10:40 : Catalysis by Gold

*Sonia Carabineiro, University of Porto, Portugal*

10:40-11:10 : Coffee Break

Poster presentation

**11:10-12:10 : Design of a highly efficient compact reforming module for on-site hydrogen supply**

*Wang Lai Yoon , Korea Institute of Energy Research, South Korea*

### Afternoon

12:10-13:30 : Lunch

**13:30-14:30 : Gold and Palladium Nanoparticles-Embedded in Graphitic Carbon Nitride for Visible-light Oxidation of Benzene to Phenol: Experimental and Mechanistic Study**

*Mehran Ghiaci, Tokai University, Japan*

15:00-16:00 : Synthesis of Pt Subnano Catalyst Using a Dendrimer Reactor

*Kimihisa Yamamoto, Tokyo Institute of Technology, Japan*

## Evening

16:00-19:00 : Panel Discussion/ Networking

**Day 2 Thursday March 28, 2019**

## Morning

08:00-09:00 : Registrations

09:00-09:40 : Introduction and Plenary Talk

**Polyoxometalate-based helical nanostructures: chirality induction and catalytic evaluation in oxidation reaction**

*Sylvain Nlate, University of Bordeaux, France*

09:40-10:40 : In situ (Operando) Magic Angle Spinning NMR for Catalysis Research

*Jian Zhi Hu, Pacific Northwest National Laboratory, USA*

10:40-11:10 : Coffee Break

11:10-12:10 : Hydrogen production by steam reforming of methanol over Pt/CeO<sub>2</sub>-NR catalysts: Effect of the Pt precursors.

*Raul Perez Hernandez, National Institute of Nuclear Research, Mexico*

## Afternoon

12:10-13:30 : Lunch

13:30-14:30 : The centers of premeitons signal the beginning and ends of genes  
*Henry Sobell, Pacific Northwest National Laboratory, USA*

14:30-15:00 : Coffee Break

15:00-16:00 : Microwave catalytic effects in highly effective direct decomposition of NO and H<sub>2</sub>S by microwave catalysis  
*Wentao Xu, Xiangtan University, China*

## Evening

16:00-19:00 : Panel Discussion/ Networking

**Day 3 Friday March 29, 2019**

## Morning

08:00-09:00 : Registrations

09:00-09:40 : Introduction and Plenary Talk

SiO<sub>2</sub>-SO<sub>3</sub>H gel, a convenient and versatile heterogeneous substitute of sulfuric acid for organic reactions which require strong Bronsted acid catalysts  
*Sandro Luiz Barbosa, Federal University of the Jequitinhonha and Mucuri Valleys, Brazil*

**09:40-10:40 : Application of Gold Catalysis in Combating Antimicrobial Resistance**

*Xiang Wang, University of Colorado Boulder, USA*

10:40-11:10 : Coffee Break

**11:10-12:10 : Hypoglycemic and hypolipidemic activities of ficushispidafruits and bark extract on alloxan induced diabetic rats**

*Mohammad Amirul Islam, University of Rajshahi, Bangladesh*

## Afternoon

12:10-13:30 : Lunch

**13:30-14:30 : Soybean oil hydrolysis-reforming-hydrogenation over Ni-Sn/ Al<sub>2</sub>O<sub>3</sub> catalysts**

*Ricardo R. Soares, Federal University of Uberlandia, Brazil*

14:30-15:00 : Coffee Break

**15:00-16:00 : Production, optimization Purification and partial characterization of a low molecular weight L-asparaginase from corn cob waste**

*Rezaul Karim, University of Rajshahi, Bangladesh*

**16:00-17:00 : Polystyrene-poly(N-isopropylmethacrylamide-acrylic acid) based core-shell composite micro particles catalyst for degradation of toxic congo red**

*Khaida Naseem, Institute of Chemistry, University of the Punjab, New Campus, Lahore 54590, Pakistan*

## Evening

17:00-19:00 : Panel Discussion/ Networking