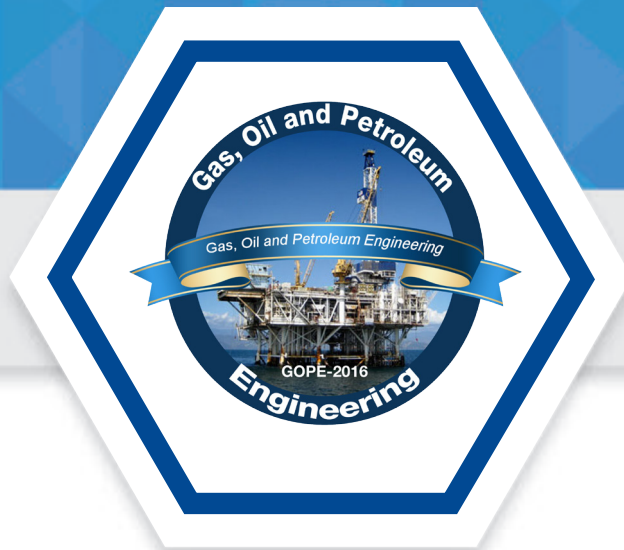




**UNITED** Scientific  
Group

## Program



International Conference on  
**Gas, Oil and Petroleum Engineering**

November 14-16, 2016

**Venue**

Hampton Inn Tropicana and Event Center  
Las Vegas, USA

- 08:15-08:45 Registrations @ Salon B
- 08:45-09:00 Introduction to GOPE-2016
- Keynote Session**
- 09:00-09:35 **Novel Transition Metal Sulfide Catalytic Materials for Hydroprocessing, F. T. Synthesis and Other Applications**  
Russell R Chianelli, University of Texas at El Paso, USA
- 09:35-10:10 **Current and Future Trends in Automotive Fuel Composition, Supply and Consumption**  
Malcolm F Fox, University of Bradford, UK
- 10:10-10:45 **Numerical Simulation and Optimization of CO<sub>2</sub> Utilization for Enhanced Oil Recovery from Depleted Reservoirs**  
Ramesh Agarwal, Washington University in St. Louis, USA
- 10:45-11:00 **Coffee Break** @ Event Center Foyer
- 11:00-11:35 **New Chemistries Interfacing with Chemical Enhanced Oil Recovery**  
Upali P Weerasooriya, The University of Texas at Austin, USA
- 11:35-12:10 **Reduction of Oil-Water Interfacial Tension to Improve Cold and Steam Assisted Recovery Process Efficiency**  
Baki Ozum, Apex Engineering Inc., Canada
- 12:10-12:45 **Integrated Production Modeling Method in the Gulf of Mexico**  
Calvin C Yao, IGOP, USA
- 12:45-13:40 **Lunch Break** @ Coral

**Technical Session- 1**

**Processing & Refining  
Fuel Chemistry & Enhanced Oil Recovery**

- Session Chairs :** Alireza Nouri, University of Alberta, Canada  
Diego C Cafaro, INTEC (UNL-CONICET), Argentina
- 13:40-14:00 **Numerical Assessment of the Maximum Operating Pressure in SAGD Considering the Mechanical Anisotropy of the Cap Shale**  
Alireza Nouri, University of Alberta, Canada
- 14:00-14:20 **Principles of Utilization of Reverse Osmosis Concentrate at Water Treatment Facilities**  
Alexei Pervov, Moscow State University of Civil Engineering, Russia
- 14:20-14:40 **Industrial Technology for Obtaining <sup>3</sup>He Isotope from Natural Gas**  
Maxim Kupriyanov, Bauman Moscow State Technical University, Russia
- 14:40-15:00 **Revamping of Syngas Production Process with Regasified Liquefied Natural Gas and its Simulation using Aspen HYSYS**  
Anju Sunny, National Institute of Technology Calicut, India
- 15:00-15:20 **A Comprehensive Multi-Platform Petroleum Engineering Toolbox for Oil and Gas Industry**  
Karthik Balaji, Vaalbarasoft, USA
- 15:20-15:35 **Coffee Break** @ Event Center Foyer
- 15:35-15:55 **Numerical Studies on the Performance of Chemical Flooding in a Heterogeneous Multilayered Heavy Oil Reservoir**  
Bo Hyun Chon, Inha University, South Korea

- 15:55-16:15** **Catalytic Cracking of Hydrocarbons Over Zeolite-Based Composites for On-Purpose Propylene Production**  
Shinya Hodoshima, Chiyoda Corporation, Japan
- 16:15-16:35** **Effect of Co-Feeding Nitrogen in Fischer-Tropsch Synthesis: Selectivity to Light Hydrocarbons**  
Adolph Anga Muleja, University of South Africa, South Africa
- 16:35-16:55** **Applied Response Surface Methodology on Chemical Flooding for Enhancing Heavy Oil Recovery**  
Le Van Si, Inha University, South Korea
- 16:55-17:15** **Monitoring of Injected CO<sub>2</sub>: Two Field Examples**  
Dayanand Saini, California State University, USA
- 17:15-17:35** **Optimization Models for Shale Gas Development Planning: A Real-World Marcellus Shale Case Study**  
Markus G Drouven, Carnegie Mellon University, USA
- 17:35-17:55** **Optimal Scheduling of Multiproduct Pipelines Accounting for Flow Rate Dependent Pumping Costs**  
Diego C Cafaro, INTEC (UNL-CONICET), Argentina

**17:55-18:30** *Poster Presentations*

@ Bora Bora

**18:30-19:30** Welcome Drinks

@ Event Center Foyer

## Day-2 | November 15, 2016

### Technical Session-2

#### **Unconventional Energy & Green Energy Environmental & Health Issues**

**Session Chairs:** Kourosh Salehi-Ashtiani, New York University Abu Dhabi, UAE  
Alessandra Verardi, University of Calabria, Italy

- 09:00-09:20** **Intelligent Modeling Approaches in Petroleum Geosciences: Determining the Total Organic Carbon (TOC) in Marcellus Shale, NY State**  
Constantin Cranganu, Brooklyn College of the City University of New York, USA
- 09:20-09:40** **Chemical Looping Combustion of Methane and Coal with CuFeMnO<sub>4</sub> to Produce Sequestration Ready Carbon-dioxide**  
Ranjani Siriwardane, U.S. Department of Energy, USA
- 09:40-10:00** **Cobalt-Catalyzed Fischer-Tropsch Synthesis with CO<sub>2</sub>-Rich Syngas**  
Andreas Jess, University of Bayreuth, Germany
- 10:00-10:20** **The U.S. Shale Gas Revolution and its Effect on International Gas Markets**  
Kentaka Aruga, Ishikawa Prefectural University, Japan
- 10:20-10:40** **Development of a Genetic Screen for Isolation of Lipid Accumulating Algae**  
Kourosh Salehi-Ashtiani, New York University Abu Dhabi, UAE
- 10:40-10:55** *Coffee Break*
- 10:55-11:15** **Radiological, Monitoring and Analytical Aspects of NORM in Oil Exploration**  
Sheldon Landsberger, University of Texas at Austin, USA

@ Event Center Foyer

- 11:15-11:35** **Impact of Shale Mechanical Anisotropy on Hydraulic Fracturing Design**  
Ming Gu, West Virginia University, USA
- 11:35-11:55** **Hydrofaction – The Path to Renewable Drop-in Biofuels**  
Claus Uhrenholt Jensen, Steeper Energy Aps, Denmark
- 11:55-12:15** **Smoldering Combustion for the Treatment of Contaminated Soils and Liquid Organic Wastes: In situ(STAR) and Ex Situ (STARx) Applications**  
Gavin Grant, Savron Solutions, Canada
- 12:15-12:35** **Enhancing Bio-ethanol Production, via Enzymatic Hydrolysis of Saccharum officinarum L. bagasse, by Optimizing Mixing in a Stirred Tank Reactor**  
Alessandra Verardi, University of Calabria, Italy
- 12:35-12:55** **Movement and Fate of Natural and Unnatural Oil Slicks in the Gulf of Mexico**  
Samira Daneshgar Asl, Florida State University, USA
- 12:55-13:50** **Lunch Break** @ Coral
- 13:50-14:10** **A Data Driven Approach and Solution for Cost Control to Survive in the Downturn and Profit in the Boom**  
Jason Du, Petroease, USA
- 14:10-14:30** **A Data-Driven Methodology for Predicting Expected Ultimate Recovery Based on Publicly Available Production Data**  
Rachel L. Vass, West Virginia University, USA
- 14:30-14:50** **An Analytical Workflow Based on Confocal Raman Microscopy and FACS for the Bioengineering of Microalgal Lipid Contents**  
Sachin Khapli, New York University Abu Dhabi, UAE
- 14:50-15:10** **The Worldwide Status of Fusion Energy Development**  
Howard Hornfeld, Fusion Advocates, Switzerland
- 15:10-15:30** **Hydrogen Production and Phosphorus Recovery Optimization in Bio-Electrochemical System**  
Abdullah Almatouq, Cardiff University, UK
- 15:30-15:45** **Coffee Break** @ Event Center Foyer
- 15:45-16:05** **Sustainable Process for Removal of V and Mo from Spent Hydrodesulfurization Catalyst Applying Green Engineering Principles**  
Victor H. Del Valle-Muñoz, Universidad Anáhuac México, Mexico
- 16:05-16:25** **Biodiesel from Safflower Seed Oil**  
Nezihe Ayas, Anadolu University, Turkey
- 16:25-16:45** **Future of Unconventional Hydrocarbon Production in Europe**  
Daria Karasalihovic Sedlar, University of Zagreb, Croatia
- 16:45-17:05** **Feasibility of Biological Technology for Kuwait Crude Oil Contaminated Soil**  
Guyoung Kang, Hankuk University of Foreign Studies, Korea
- 17:05-17:25** **Building Designer RNA Nanostructures to Maximize Algal Biofuel Production**  
Laising Yen, Baylor College of Medicine, USA
- 17:25-17:45** **Evaluation of Steel Vertical Tank Residual Life by a Metal Low-Cycle Fatigue Criterion Under Biaxial Loading Conditions**  
Gafur Samigullin, Saint-Petersburg Mining University, Russia
- 17:45-18:05** **Analyzing Geophysical Signature of a Hydrocarbon-Contaminated Soil Using Geoelectrical Surveys**  
Sylvester Koroma, Institute of Geonics of CAS, Czech Republic

**Session Chair :** Sharif F Zaman, King Abdulaziz University, Saudi Arabia

**09:00-09:20** **High Octane Hydrocarbons Produced from Dimethylether Using a Copper Modified Zeolite**  
Jesse Hensley, National Bioenergy Center, USA

**09:20-09:40** **Characterizing Catalyst Systems by Neutron Scattering**  
Martin Owen Jones, ISIS Neutron Spallation Facility, UK

**09:40-10:00** **Welltest, Rate Transient Analysis and Reservoir Simulation for Characterizing Multi-Fractured Unconventional Oil and Gas Reservoirs**  
Nick Bahrami, Aurora Oil and Gas, Australia

**10:00-10:20** **Geological Structure and Hydrocarbon Potential of Western Spitsbergen Continental Margin**  
Gennady Ivanov, Marine Arctic Geological Expedition, Russia

**10:20-10:40** **Shale Gas Reservoir Characterization Using Local Wave Decomposition**  
Ya-juan Xue, Chengdu University of Information Technology, China

**10:40-10:55** **Coffee Break** @ Event Center Foyer

**10:55-11:15** **Influence of the Citric Acid to Molybdenum Molar Ratio on the Structure and Catalytic Activity of Molybdenum and Cobalt Molybdenum Nitride Catalysts**  
Sharif F Zaman, King Abdulaziz University, Saudi Arabia

**11:15-11:35** **An Overview of a Reservoir Characterisation Study**  
Elmus Jaikaran, The University of the West Indies, Trinidad and Tobago

**11:35-11:55** **Swelling and Deswelling Kinetics of AT-03S Polymer**  
Cody Lane Chancellor, Midwestern State University, USA

**11:55-12:15** **EOR Application in Small Fields with Complex Reservoirs: The Trinidad and Tobago Experience**  
Raffie Hossein, The University of the West Indies, Trinidad and Tobago

**12:15-12:35** **Roughness Analysis Within Flexible Water Injection Pipes in Petroleum Production Projects**  
Max William Tocantins, Santa Cecilia University (Unisanta), Brazil

**12:35-** **Lunch & Departures** @ Coral

- P-01**     **The Evaluation of Nanoemulsions in the Interfacial Film Properties of Asphaltenes**  
Priscila Frias de Oliveira, Federal University of Rio de Janeiro, Brazil
- P-02**     **Obtaining and Assessment of Microemulsions as Petroleum Solvents**  
Josane Assis Costa, Federal University of Rio de Janeiro, Brazil
- P-03**     **Evaluate the Effect of pH on the Mixed Brine and Chemical Solutions**  
Conner Kirby, Midwestern State University, USA
- P-04**     **Pyrolysis Study of Petroleum Sludge and Drilling Cutting Blends by Thermal Analysis**  
Erica de Melo Azevedo, Federal University of Rio de Janeiro, Brazil
- P-05**     **Applying step-feeding strategy to enhance biological nitrogen removal in tidal flow constructed wetlands**  
M. Khajah, Cardiff University, UK
- P-06**     **Modeling of Non-linear Viscoplastic Oil Flow to a Well and Development System Selection**  
Vladimir Astafev, Samara State Technical University, Russia
- P-07**     **Electrochemical Characteristics of a High Temperature Proton Exchange Membrane Fuel Cell Stack Under Reformate Gases**  
Chen-Yu Chen, Chinese Culture University, Taiwan
- P-08**     **Co-Pyrolysis of Waste Tire and Biomass in a Well-Swept Fixed Bed Reactor**  
Özlem Onay, Anadolu University, Turkey
- P-09**     **Evaluation of Shear Resistance for Polymer Gel Applied in Changqing Low Permeability Reservoir**  
Rong Zhang , Petrochina Changqing Oilfield Company, China

## Notes

GOPE-2016

*We wish to see you at GOPE-2017*



# 2088 B2 Walsh Avenue, Santa Clara, CA 95050, USA

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

Email: [secretary@gopengg.com](mailto:secretary@gopengg.com); [contact@uniscigroup.net](mailto:contact@uniscigroup.net)

Web: [www.gopengg.com/](http://www.gopengg.com/)