

5th World Congress on

PETROCHEMISTRY AND CHEMICAL ENGINEERING

December 05-07, 2016 Phoenix, Arizona, USA



Hosting Organizations: Conference Series LLC

2360 Corporate Circle., Suite 400 Henderson, NV 89074-7722, USA

Ph: +1-702-508-5200 Ext: 8035, Fax: +1-650-618-1417, Toll free: +1-800-216-6499

Conference Series Ltd

Heathrow Stockley Park Lakeside House, 1 Furzeground Way, Heathrow, UB11 1BD, UK, Tel: +1-800-216-6499

Email: petrochemistry@chemseries.com, petrochemistry@petroleumconferences.com, petrochemistry@chemicalengg.org

09:00-10:00 Registrations

Conference hall

conference**series**.com

10:00-10:30

Opening Ceremony

Keynote Forum

10:30-11:10 **Title: Advances in understanding and commercialization of the transition metal sulfide (TMS) catalytic materials**

Russell R. Chianelli, University of Texas El Paso, USA

Coffee Break, Group Photo and Memento Presentation to Organizing Committee Members 11:10-11:30

11:30-12:10 **Title: Burning oil layer on the surface water**

Zulkhair Mansurov, Institute of Combustion Problems, Kazakhstan

12:10-12:50 **Title: Studies on solution behavior of Xanthan gum in presence of cationic surfactants**

Mohammad Kamil, Aligarh Muslim University, India

Sessions:

Reservoir Characterization | Process Technology | Gas supply and Gas Technology | Sustainable Energy Polymer chemistry and Application

Session Chair: Rajendirana Adimoolam, Bharat Petroleum Corporation Ltd, India

12:50-13:20 **Title: Thermal, spectral, oxidation stability and antioxidant behavior on Group II base oils**

Rajendiran Adimoolam, Bharat Petroleum Corporation Ltd, India

Lunch Break 13:20-14:10

14:10-14:40 **Title: Development of partially biodegradable foams from PP/HMSPP blends with natural and synthetic polymers**

Elizabeth Carvalho Leite Cardoso, Nuclear and Energy Research Institute, Brazil

14:40-15:10 **Title: Quantitative analytical model of the formation damage by gel particle**

Mahmoud Elsharafi, Midwestern State University, USA

15:10-15:40 **Title: Preparation of the natural zeolite based catalyst for hydrocracking process of petroleum derived atmospheric residue**

Tserendorj Tugsuu, National University of Mongolia, Mongolia

Coffee Break 15:40-16:00

16:00-16:30 **Title: Aerogels and sponges based on carbon nanomaterials for oil/water separation**

F R Sultanov, Institute of Combustion Problems, Kazakhstan

16:30-17:00 **Title: Changing the structure of resin-asphaltenes molecules in cracking**

Y I Imanbayev, Institute of Combustion Problems, Kazakhstan

Panel Discussions(17:00-17:20)

Closing of Day 1 Program

Day 2

December 06, 2016

Conference hall

Keynote Forum

09:50-10:00 Introduction

10:00-10:40 **Title: The progress of artificial photo synthesis chemical process project focusing on solar hydrogen production and CO₂ utilization**

Tohru Setoyama, Mitsubishi Chemical Corporation, Japan

Sessions:

Chemical Applications | Health Safety and Environment | Track 15: Unconventional Resources Separation Process

Session Chair: Mohammad Kamil, Aligarh Muslim University, India

Session Introduction

10:40-11:10 **Title: Pressure-temperature-induced transformations of hydrocarbon-fluorocarbon mixtures into nano- and micron-size diamonds**
Valery Khabashesku, University of Houston, USA

Coffee Break 11:10-11:30

11:30-12:00 **Title: Cleaning, utilization, furnace waste gases, nitrogen oxides, carbon dioxide, ecological safety, heatgenerator, technical solution, ozone, monoetonolamin, economic efficiency**
Yezhov Vladimir S, Southwest State University, Russia

12:00-12:30 **Title: Evaporation velocity of cryogenic liquid with and without spreading**
Myungbae Kim, Korea Institute of Machinery & Materials, South Korea

12:30-13:00 **Title: Visualization of organic coating on bitumen froth fine solids by peakForce QNM-AFM adhesion mapping**
Qiang Chen, University of Alberta, Canada

13:00-13:30 **Title: Jet-fuel range hydrocarbons from biomass-derived sorbitol over Ni-HZSM-5/SBA-15 catalyst**
Yujing Weng, Chinese Academy of Sciences, China

Lunch Break 13:30-14:15

14:15-14:45 **Title: Numerical simulation of liquid–solid countercurrent fluidization inside an extraction column based on particle trajectory model**
Zhongyuan Li, Tianjin University, China

14:45-15:15 **Title: The ability of anilines extracted from iraqi petrol on preventing deposits formation in crude kerosene**
Mohammad Jamil Abd Al-Ghani, University of Salahaddin, Iraq

15:15-15:45 **Title: Mass transfer with reaction on spherical pellet and analytical solving of complicate couple nonlinear differential equations**
Mohammadreza Akbari, University of Tehran, Iran

15:45-16:15 **Title: Effect of gravity on heat feedback of small-scale pool fires**
Ryo Takahashi, Hirosaki University, Japan

Panel Discussions 16:15-16:30

Coffee Break 16:30 onwards

Day 3 December 07, 2016

Conference hall

Networking and B2B meeting 10:00-10:45

Coffee Break 10:45-11:10

Networking and B2B meeting 11:10-12:30

Lunch and Closing 12:30