Proposals are invited for organizing Symposia/Workshops at OMICS Group Conferences or OMICS Group will sponsor small events at your universities in related areas under the title of your own. These proposals can be sent to respective conference mail ids or to symposia@omicsonline.org

OMICS Group Conferences
5716 Corsa Ave., Suite 110, Westlake Los Angeles, CA 91362-7354, USA
Phone: +1-650-268-9744, Fax: +1-650-618-1414, Toll free: +1-800-216-6499
Email: petrochemistry2013@omicsonline.net
Fouling potential evaluation of soluble microbial products (SMP) in membrane bioreactor coupled with worm reactor
Yu Tian, Harbin Institute of Technology, China

Steam reforming of isobutanol for production of synthesis gas: Effects of metals
Vimala Dhanala, Indian Institute of Technology Hyderabad, India

Blends of babassu, palm kernel and coconut fame with fossil kerosene: Technical aspects of low carbon number methyl esters as a possible source for renewable jet fuel
Alberto Llamas, Universidad Politecnica de Madrid, Spain

Stimulation of biogenic methane generation in coal samples following chemical treatment with potassium permanganate
Zaixing Huang, University of Wyoming, USA

Enhancement effect of ethanol on algal biomass accumulation
Chengchen Wu, Zhejiang University, China

Lone Star East
Track 2: New Methods and Technologies in Petrochemistry and Oil-refining
Session Chair: Irina Kumkova, Institute for Electrophysics and Electric Power RAS, Russia
Session Co-Chair: Chuan-Jian Zhong, State University of New York at Binghamton, USA

Transition metal sulfide catalytic materials for hydroprocessing, F. T. synthesis and other applications
Russell R Chianelli, University of Texas at El Paso, USA

Nanoalloy catalysts for petrochemical processes and sustainable energy conversion
Chuan-Jian Zhong, State University of New York at Binghamton, USA

On possibility of air and steam plasmas applications for gasification of organic containing substances and synthetic liquid fuel production from methane
Irina Kumkova, Institute for Electrophysics and Electric Power RAS, Russia

Energy-return-on-energy-invested (EROEI) for crude oil
J C Jones, University of Aberdeen, UK

Identification of triamantanes C_{18} \text{C}_{19} and tetramantanes C_{22} in crude oils and geochemical significance of C_{10} diamondoids
Maxim V Giruts, Gubkin Russian State University of Oil and Gas, Russia

Lunch Break 12:40-13:30 @ Lone Star West

Conversion of ethers of light alcohols into hydrocarbons over ZSM-5 zeolite catalysts
Raymond Le Van Mao, Concordia University, Canada

Title: Chemmotology: A new paradigm of use of traditional and alternative fuels and lubricants
Sergii Boichenko, National Aviation University, Ukraine

Peculiarities of the development and implementation of aviation biofuels in Ukraine
Anna Yakovleva, National Aviation University, Ukraine

Biodegradability and biostability of mineral and biological fuels
Iryna Shkilniuk, National Aviation University, Ukraine

Novel hydrothermal processing of algal feedstocks into liquid fuel precursor
Umakanta Jena, Desert Research Institute, USA

Inhibiting effect of some synthesized surfactants from petroleum oils on the corrosion of aluminium in hydrochloric acid solution
Razika Mehdaoui, University of Blida, Algeria

Coffee Break 15:30-15:45 @ Texas Foyer

Day 2 November 19, 2013
Texas E

Track 4: Modeling and Simulation
Track 5: New Concepts and Innovations
Track 7: Macro and Nano Science Technology

Session Chair: Marko Hakovirta, Auburn University, USA
Session Co-Chair: Antanas Juostas, Aleksandras Stulginskius University, Lithuania

Sensors on paper related products based on self-assembled silica nanostructures
Marko Hakovirta, Auburn University, USA
09:20-09:40 Challenges in multi-scale modeling of fuel electro-oxidation for fuel cell applications
Daniela Mainardi, Louisiana Tech University, USA

09:40-10:00 Gas separation using metal-organic framework membranes
Perla B Balbuena, Texas A&M University, USA

10:00-10:20 New constraints on buried triassic basins and regional implications for subsurface CO2 storage from the seisdata6 seismic profile across the south east georgia coastal plain
Olusoga M Akintunde, University of South Carolina, USA

10:20-10:40 Emission characteristics of CI engine running with biodiesel
B Tesfa, University of Huddersfield, UK

Coffee Break: 10:40-10:55 @ Texas Foyer

10:55-11:15 Non-equilibrium modeling of hydrate dynamics in porous media
Bjorn Kvamme, University of Bergen, Norway

11:15-11:35 The suppression of elution of boron, arsenic, and selenium from coal fly ash particles by the removal with acid washing
Shunsuke Kashiwakura, Tohoku University, Japan

11:35-11:55 Quantum chemical studies for estimation of pKa and redox potential
Yasuteru Shigeta, Osaka University, Japan

11:55-12:15 Diesel engine operating with hydrogen in bi-fuel mode: Fuel consumption and emissions
Sergio M Hanriot, PUC Minas, Brazil

12:15-12:35 Engine performance during field works and tractors operational period
Antanas Juostas, Aleksandras Stulginskis University, Lithuania

Lunch Break 12:35-13:25 @ Lone Star West

Sarika Verma, CSIR- Advanced Materials and Processes Research Institute, India

13:45-14:05 An artificial neural network model for predicting the recovery performance of surfactant polymer floods
Ali A Garrouch, Kuwait University, Kuwait

14:05-14:25 Development of an energy management system for a naphtha reforming plant: A data mining approach
Francesco Rossi, University of Seville, Spain

14:25-14:45 High temperature steam treatment of PEEK, PEKK, PBI, and their blends: A solid state NMR and IR spectroscopic study
Jacqueline Pope, Texas A&M University, USA

Track 6: Chemical Reaction Engineering and its Applications
Session Chair: J G Parsons, University of Texas-Pan American, USA
Session Co-Chair: Toshihiro Moriga, The University of Tokushima, Japan

Session Introduction

14:45-15:05 Oxidation of dibenzothiophene to dibenzothiophene sulfone using transition metal oxides
J G Parsons, University of Texas-Pan American, USA

Coffee Break: 15:05-15:20 @ Texas Foyer

15:20-15:40 Anion stoichiometry and optical properties of the perovskite-type La1-xBaxTa(O,N)3 and LaTi1-yNby(O,N)3 solid solutions optimized for red pigments
Toshihiro Moriga, The University of Tokushima, Japan

15:40-16:00 pH-dependent motion of self-propelled droplets due to Marangoni effect
Takahiko Ban, Osaka University, Japan

16:00-16:20 Study of the sooting propensity of different oxygenated biofuels
R Lemaire, Universite Lille Nord de France, France

16:20-16:40 Distribution of sterane maturity parameters in a lacustrine basin and its controls: A case study from Dongying sag, Eastern China
Chen Zhonghong, China University of Petroleum, China

16:40-17:00 Mobile fuel cell system based on a diesel steam reformer and a PEFC
Philip Engelhardt, Oel-Waerme-Institut GmbH, Germany

Lone Star East

Track 10: Energy, Environment and Water nexus
Session Chair: Abbas Ghasemi, New Mexico State University, USA
Session Co-Chair: Ali A Al-Homaidan, King Saud University, Saudi Arabia

Session Introduction

09:00-09:20 Presentation of the brackish groundwater national desalination research facility
Randy Shaw, Bureau of Reclamation, USA
<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Presenter</th>
<th>Institution</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:20-09:40</td>
<td>Sustainable water management in the oil and gas industry to increase water supplies</td>
<td>Katie Guerra</td>
<td>Bureau of Reclamation, USA</td>
<td>USA</td>
</tr>
<tr>
<td>09:40-10:00</td>
<td>Different approaches on energy optimization in reverse osmosis desalination plant</td>
<td>Leili Abkar</td>
<td>New Mexico State University, USA</td>
<td>USA</td>
</tr>
<tr>
<td>10:00-10:20</td>
<td>Review on aqueous lithium Li-ion battery</td>
<td>Pedram Mohrdar Ghaemmaghami</td>
<td>New Mexico State University, USA</td>
<td>USA</td>
</tr>
<tr>
<td>10:20-10:40</td>
<td>Utilization of metal organic frameworks in order to encapsulate greenhouse gas to address water availability and drought</td>
<td>Nasser Khazeni</td>
<td>New Mexico State University, USA</td>
<td>USA</td>
</tr>
<tr>
<td></td>
<td>Coffee Break: 10:40-10:55 @ Texas Foyer</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:55-11:15</td>
<td>Optimization of pilot scale photovoltaic reverse osmosis desalination system for ground water</td>
<td>Kwonit Mallick</td>
<td>New Mexico State University, USA</td>
<td>USA</td>
</tr>
<tr>
<td>11:15-11:35</td>
<td>Developing a mechanistic transport model for electrodialysis reversal process</td>
<td>Azadeh Ghorbani</td>
<td>New Mexico State University, USA</td>
<td>USA</td>
</tr>
<tr>
<td>11:35-11:55</td>
<td>Using concentrate from desalination and reusing anaerobic digested sludge to grow algae</td>
<td>Waddah Hussein</td>
<td>New Mexico State University, USA</td>
<td>USA</td>
</tr>
<tr>
<td>11:55-12:15</td>
<td>Innovative method of using brine water to produce energy</td>
<td>Saeid Aghahossein Shirazi</td>
<td>New Mexico State University, USA</td>
<td>USA</td>
</tr>
<tr>
<td>12:15-12:35</td>
<td>Biosorption of copper ions from aqueous solutions by Spirulina platensis biomass</td>
<td>Ali A Al-Homaidan</td>
<td>King Saud University, Saudi Arabia</td>
<td>Saudi Arabia</td>
</tr>
<tr>
<td></td>
<td>Lunch Break 12:35-13:25 @ Lone Star West</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13:25-13:45</td>
<td>Title: The effect of feed water composition in selective removal of ions in electrodialysis process</td>
<td>Leila Karimi</td>
<td>New Mexico State University, USA</td>
<td>USA</td>
</tr>
<tr>
<td>13:45-14:05</td>
<td>Overview of produced water treatment technologies</td>
<td>Fattaneh Naderi Behdani</td>
<td>New Mexico State University, USA</td>
<td>USA</td>
</tr>
<tr>
<td>14:05-14:25</td>
<td>Processing of calcium sulphide to calcium carbonate and hydrogen sulphide</td>
<td>R K Tewo</td>
<td>Tshwane University of Technology, South Africa</td>
<td></td>
</tr>
<tr>
<td>14:25-14:45</td>
<td>Design of coupled solar photo catalytic biosorption process for degradation of dairy effluent</td>
<td>Shanmuga Priya Selvanathan</td>
<td>Manipal University, India</td>
<td>India</td>
</tr>
<tr>
<td>17:00-17:45</td>
<td>Poster Presentations @ Austin</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17:45-18:45</td>
<td>Cocktails Sponsored by Journal of Chemical Engineering &amp; Process Technology @ Rio Grande</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Day 3 November 20, 2013**

**Track 8: Sources, Ecological Problems and Management of Petrochemistry**

**Track 9: Chemical Applications in Producing Oil and Gas**

**Session Chair:** Hadi Belhaj, The Petroleum Institute, UAE  
**Session Co-Chair:** Kalliat T Valsaraj, Louisiana State University, USA

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Presenter</th>
<th>Institution</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00-09:20</td>
<td>Asphaltene stability in crude oil during production process</td>
<td>Hadi Belhaj</td>
<td>The Petroleum Institute, UAE</td>
<td>UAE</td>
</tr>
<tr>
<td>09:20-09:40</td>
<td>Dispersants for deep sea oil spill remediation: Efficacy and design</td>
<td>Kalliat T Valsaraj</td>
<td>Louisiana State University, USA</td>
<td>USA</td>
</tr>
<tr>
<td>09:40-10:00</td>
<td>Formation of n-alkanes by bacteria Arthrobacter sp. RV and Pseudomonas aeruginosa RM</td>
<td>Gordadze G N</td>
<td>Gubkin Russian State University of Oil and Gas, Russia</td>
<td>Russia</td>
</tr>
<tr>
<td>10:00-10:20</td>
<td>Synthesis and characterization of poly(methyl methacrylate-co-vinyl acetate) and its evaluation as filtrate reducer</td>
<td>Elizabete Fernandes Lucas</td>
<td>Federal University of Rio de Janeiro, Brazil</td>
<td>Brazil</td>
</tr>
<tr>
<td></td>
<td>Coffee Break: 10:40-10:55 @ Texas Foyer</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:55-11:15</td>
<td>Key controls on accumulation and high production of large non-marine gas fields in northern Sichuan Basin</td>
<td>Guo Tonglou</td>
<td>Sinopec Exploration Southern Company, China</td>
<td>China</td>
</tr>
<tr>
<td>11:15-11:35</td>
<td>The application of acrylic acid as precipitation inhibitor for ASP flooding</td>
<td>Khaled Abdalla Elraies</td>
<td>Universiti Teknologi PETRONAS, Malaysia</td>
<td>Malaysia</td>
</tr>
</tbody>
</table>

**Session Introduction**
11:35-11:55 Catalytic dehydration of methanol to dimethyl ether (DME) using the Al62,2Cu25,3Fe12,5 Quasicrystalline alloy
Lourdes Cristina Lucena Agostinho, Federal University of Paraiba, Brazil

11:55-12:15 Effectiveness of calcium sulfate scale inhibitors in spent hydrochloric acid/seawater system
Jia He, Texas A&M University, USA

12:15-12:35 Numerical simulation on the mechanism of high-pressure air injection (HPAI) process in high water cut reservoirs
Hu Jia, Southwest Petroleum University, China

Award Ceremony

Lunch Break 12:35-13:25 @ Lone Star West
<table>
<thead>
<tr>
<th>Conference Name</th>
<th>Location</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pharmaceutical/Chemistry</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4th International Conference and Exhibition on Pharmacy &amp; Novel Drug Delivery Systems</td>
<td>March 24-26, 2014 Hilton San Antonio Airport, USA</td>
<td></td>
</tr>
<tr>
<td>3rd International Conference on Medicinal Chemistry &amp; Computer Aided Drug Designing</td>
<td>August 18-20, 2014 Beijing, China</td>
<td></td>
</tr>
<tr>
<td>5th International Conference and Exhibition on Analytical &amp; Bioanalytical Techniques</td>
<td>August 18-20, 2014 Beijing, China</td>
<td></td>
</tr>
<tr>
<td>2nd International Conference on Pharmacognosy, Phytochemistry &amp; Natural Products</td>
<td>August 29-24, 2014 Beijing, China</td>
<td></td>
</tr>
<tr>
<td>4th International Conference on Pharmaceutical Regulatory Affairs</td>
<td>September 08-10, 2014 Raleigh, USA</td>
<td></td>
</tr>
<tr>
<td>3rd International Summit on GMP, GCP &amp; Quality Control</td>
<td>September 23-25, 2014 Valencia, Spain</td>
<td></td>
</tr>
<tr>
<td>5th World Congress on Bioavailability &amp; Bioequivalence: Pharmaceutical R&amp;D Summit</td>
<td>September 29-October 01, 2014 Baltimore, USA</td>
<td></td>
</tr>
<tr>
<td>2nd World Congress on Petrochemistry and Chemical Engineering</td>
<td>October 27-29, 2014 Las Vegas, USA</td>
<td></td>
</tr>
<tr>
<td>3rd International Conference and Exhibition on Biowaivers &amp; Biosimilars</td>
<td>October 28-29, 2014 Hyderabad, India</td>
<td></td>
</tr>
<tr>
<td>3rd International Conference and Exhibition on Pharmacovigilance &amp; Clinical Trials</td>
<td>October 27-29, 2014 Hyderabad, India</td>
<td></td>
</tr>
<tr>
<td>2nd International Summit on Clinical Pharmacy</td>
<td>December 02-03, 2014 San Francisco, USA</td>
<td></td>
</tr>
<tr>
<td><strong>Medical Sciences</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3rd World Congress on Virology</td>
<td>November 20-22, 2013 DoubleTree by Hilton Baltimore-BWI Airport, MD, USA</td>
<td></td>
</tr>
<tr>
<td>3rd International Conference on Cell Science &amp; Stem Cell Research</td>
<td>November 20-22, 2013 DoubleTree by Hilton Baltimore-BWI Airport, MD, USA</td>
<td></td>
</tr>
<tr>
<td>2nd International Conference on Obesity &amp; Weight Management</td>
<td>December 02-04, 2013 Hampton Inn Tropicana, Las Vegas, NV, USA</td>
<td></td>
</tr>
<tr>
<td>International Conference on Traditional &amp; Alternative Medicine</td>
<td>December 08-10, 2013 Radisson Blu Plaza Hotel, Hyderabad, India</td>
<td></td>
</tr>
<tr>
<td>2nd International Conference on HIV/AIDS, STDs &amp; STIs</td>
<td>June 25-26, 2014 Hyderabad, India</td>
<td></td>
</tr>
<tr>
<td>4th World Congress on Cell Science &amp; Stem Cell Research</td>
<td>June 09-11, 2014 Valencia, Spain</td>
<td></td>
</tr>
<tr>
<td>3rd International Conference on Nephrology &amp; Therapeutics</td>
<td>June 28-27, 2014 Valencia, Spain</td>
<td></td>
</tr>
<tr>
<td>3rd International Conference on Gastroenterology &amp; Urology</td>
<td>July 28-30, 2014 San Francisco, USA</td>
<td></td>
</tr>
<tr>
<td>3rd International Conference and Exhibition on Orthopedics &amp; Rheumatology</td>
<td>July 28-30, 2014 San Francisco, USA</td>
<td></td>
</tr>
<tr>
<td><strong>Omics &amp; Management</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3rd International Conference and Exhibition on Metabolomics &amp; Systems Biology</td>
<td>March 24-26, 2014 Hilton San Antonio Airport, USA</td>
<td></td>
</tr>
<tr>
<td>2nd International Conference on Business, Economics &amp; Management</td>
<td>April 21-23, 2014 Dubai, UAE</td>
<td></td>
</tr>
<tr>
<td>4th International Conference on Proteomics &amp; Bioinformatics</td>
<td>August 04-06, 2014 Chicago, USA</td>
<td></td>
</tr>
<tr>
<td>2nd International Conference on Genomics &amp; Pharmacogenomics</td>
<td>September 08-09, 2014 Raleigh, USA</td>
<td></td>
</tr>
</tbody>
</table>
Clinical

International Conference on Nursing & Emergency Medicine
December 02-04, 2013 Hampton Inn Tropicana, Las Vegas, NV, USA

4th International Conference on Clinical & Experimental Cardiology
April 14-16, 2014 San Antonio, USA

4th International Conference on Clinical & Experimental Dermatology
April 14-16, 2014 San Antonio, USA

5th International Conference on Biomarkers & Clinical Research
April 15-17, 2014 St Hilda’s College, Cowley Place, Oxford, OX41DY, England, UK

2nd International Conference on Dental & Oral Health
April 21-23, 2014 Dubai, UAE

4th International Conference on Clinical & Experimental Ophthalmology
June 23-25, 2014 Baltimore, USA

2nd International Conference and Exhibition on Physical Medicine & Rehabilitation
June 23-25, 2014 Baltimore, USA

3rd International Conference and Exhibition on Nutrition & Food Sciences
September 23-25, 2014 Valencia, Spain

3rd International Conference on Clinical Microbiology & Microbial Genomics
September 24-26, 2014 Valencia, Spain

4th International Conference on Vaccines & Vaccination
September 24-26, 2014 Valencia, Spain

3rd International Conference on Clinical & Cellular Immunology
September 29-October 01, 2014 Baltimore, USA

2nd International Conference on Nursing and Emergency Medicine
November 17-19, 2014 Chicago, USA

Life Sciences & Environmental

International Congress on Bacteriology & Infectious Diseases
November 20-22, 2013 DoubleTree by Hilton Baltimore-BWI Airport, MD, USA

2nd International Conference on Agricultural & Horticultural Sciences
February 03-05, 2014 Radisson Blu Plaza Hotel, Hyderbad, India

3rd International Conference and Exhibition on Pathology
April 14-16, 2014 San Antonio, USA

3rd International Conference on Biodiversity & Sustainable Energy Development
June 24-26, 2014, Valencia, Spain

5th World Congress on Biotechnology
June 25-27, 2014 Valencia, Spain

2nd International Conference on Bioprocess and Engineering
June 26-27, 2014 Valencia, Spain

3rd International Conference and Exhibition on Occupational Health & Safety
June 24-25, 2014 Valencia, Spain

2nd International Conference on Oceanography
July 21-23, 2014 Las Vegas, USA

3rd International Conference and Exhibition on Food Processing & Technology
July 21-23, 2014 Las Vegas, USA

3rd International Conference on Earth Science & Climate Change
July 28-30, 2014 San Francisco, USA

2nd International Conference on Integrative Biology Summit
August 04-05, 2014 Chicago, USA

2nd International Conference on Epidemiology & Evolutionary Genetics
August 18-19, 2014 Beijing, China

3rd International Conference and Exhibition on Probiotics & Functional Foods
October 27-29, 2014 Las Vegas, USA

2nd International Congress on Bacteriology & Infectious Diseases
November 17-19, 2014 Chicago, USA

Engineering & Applied Sciences

3rd International Conference on Nanotek & Expo
December 02-04, 2013 Hampton Inn Tropicana, Las Vegas, NV, USA

3rd International Conference and Exhibition on Biometrics & Biostatistics
June 23-25, 2014 Baltimore, USA

3rd International Conference and Exhibition on Biosensors & Bioelectronics
August 11-13, 2014 San Antonio, USA

2nd International Conference on Genetic Engineering & Genetically Modified Organisms
August 11-13, 2014 San Antonio, USA

International Meeting on Space-Open Debate
August 12-13, 2014 San Antonio, USA

2nd International Conference and Exhibition on Mechanical & Aerospace Engineering
September 08-10, 2014 Philadelphia, USA