

Thursday, April 16, 2015

Time: 08:00 - 09:00 **Registration** **Room:** Queen 1

Time: 09:00 - 09:30 **Opening Ceremony** **Room:** Queen 1

- ♦ Lebanese National Anthem
- ♦ Mrs. Salwa Siniora Baasiri - General Director of Rafik Hariri Foundation
- ♦ Dr. Ahmad Chaaban - Conference Chair
- ♦ Mr. Gaby Daaboul - LPA President
- ♦ Dr. Riad Chedid - RHU President

Time: 09:30 - 10:00 **Keynote Speech** **Room:** Queen 1

“Energy Security”

- ♦ **H.E. Miguel Angel Moratinos**
Honorary Chairman of the CIRSD Board of Advisers
Center for International Relations and Sustainable Development

Time: 10:00 - 10:30 **Coffee Break**

Time: 10:30 - 12:30 **Session 1-A** **Room:** Queen 1 **Chair:** Henri El Zakhem, UOB

Exploration, Drilling & Production

- ♦ **Demystifying Marine Seismic Analysis**
- Hmayag Partamian & Mariette Awad (AUB, Lebanon)
- ♦ **Rh-Ni/SBA-15 Prepared by Two Solvents Method as Stable Catalysts for the Dry Reforming of Methane at High Pressure**
- Marie-Nour Kaydouh, Nissrine El-Hassan & Henri El Zakhem (Balamand, Lebanon)
- Anne Davidson, Sandra Casale & Pascale Massiani (Laboratoire de Réactivité de Surface UPMC, France)
- ♦ **Syngas Production Via the Dry Reforming of Methane Reaction Over Ni/ZSM5 and Co/ZSM5 Catalysts**
- Jane Estephane, Samer Aouad & Henri El Zakhem (Balamand, Lebanon)
- Cedric Gennequin, Antoine Aboukais & Edmond Abi-Aad (Univ Lille Nord de France, France)
- ♦ **High Molecular Hydrocarbons Characterization for Oil Spill Remediation Technologies**
- Hanane Ishak (USEK, Lebanon)
- Juliette Stephan (UL, Lebanon)
- Ilham Mokbel, Christelle Goutaudier, Jacques Jose, Joseph Saab (UCBL, France)
- ♦ **Structural Health Prediction Model for Oil Well Pipeline**
- Yahia Al-Samadi (Texas A&M University - Kingsville, USA)
- ♦ **Hydrate Plug Prevention Using Rhamnolipids: Experimental Developments in Hydrates Anti-Agglomeration**
- Latifa Negadi (University of Tlemc)
- Xiaokai Li & Abbas Firoozabadi (Yale University)
- ♦ **Effective Produced Water Treatment Methodology for Oil & Gas Industry**
- Satya Bindra & Ashour Sassi (Sbia Technical College, Libya)

Time: 10:30 - 12:30 **Session 1-B** **Room:** Queen 2 **Chair:** Ibrahim Akoum, RHU

Business, Economics & Markets

- ♦ **The Role of Universities in HR Capacity - Building for Lebanon's Prospective Petroleum Industry: The Case of RHU's MBA in Oil & Gas Management**
- Rima Bizri & Jamil Hammoud (RHU, Lebanon)
- ♦ **Oil, Fed Funds and the Dollar from 1987 to 2013**
- Nabil Al-Ali (ThyssenKrupp Saudi Ltd., KSA)
- Patrick Mardini (Balamand, Lebanon)

- ♦ **The Influence of External Forces on Supply Chain Sustainability Goals in the Oil and Gas Industry**
 - Karimah Ahmad, Jafar Rezaei & Lorant Tavasz (Delft University of Technology, The Netherlands)
 - Marisa de Brito (Breda University of Applied Science, The Netherlands)
- ♦ **Analyzing The Effectiveness of Integrated Management System (IMS) at the National Iranian Oil Products Distribution Company**
 - Soroush Sadfdarian (Islamic Azad University of Qazvin, Iran)
- ♦ **Evaluation of External Forces Affecting Supply Chain Sustainability in Oil and Gas Industry Using Best Worst Method**
 - Saman Sadaghiani, Karimah Ahmad, Jafar Rezaei, Lorant Tavasszy (Delft University of Technology, The Netherlands)

Time: 12:30 - 14:00

Lunch Break

Time: 14:00 - 14:35

Keynote Speech

Room: Queen 1

“Gas Monetization Issues in Developing Gas Markets”

- ♦ **Dr. Mostefa Ouki**

Vice President, Energy & Chemicals and Head of Nexant’s Gas Group

Time: 14:35 - 15:10

Keynote Speech

Room: Queen 1

“Water Energy and Food Interlinkages and the Role Energy Plays in Securing other Resources”

- ♦ **Dr. Rabi Mohtar**

TEES Research Professor, Texas A&M University

Time: 15:10 - 15:40

Coffee Break

Time: 15:40 - 17:40

Session 2-A

Room: Queen 1

Chair: Ahmad Chaaban, RHU

Downstream

- ♦ **Evaluation of Localized Thinning in Straight Carbon Steel Piping Under Internal Pressure**
 - Iman Gharamti & Ahmad Chaaban (RHU, Lebanon)
- ♦ **Comparison of Effects of La, Mg and Rh Addition on the Activity & Stability of Ni/SiO₂ Catalysts in Dry Reforming of Methane at Low Temperature**
 - Nissrine El-Hassan, Ali Khansa, Elie Challita & Henri El-Zakhem (Balamand, Lebanon)
 - Sandra Casale (Laboratoire de Réactivité de Surface UPMC, France)
- ♦ **Reliability of Offshore Pipelines Subject to Upheaval Buckling**
 - Sahar Ismail, Shadi Najjar, & Salah Sadek (AUB, Lebanon)
- ♦ **Compared Activity and Stability of Three Ni-silica Catalysts of Methane Bi & Dry Reforming**
 - Karam Jabbour, Marie-Nour Kaydouh, Nisrine El-Hassan & Henri El-Zakhem (Balamand, Lebanon)
 - Sandra Casale, Pascale Massiani & Anne Davidson (Laboratoire de Réactivité de Surface UPMC, France)
- ♦ **Rheology of Water-in-Oil Emulsions for a Medium Crude Oil**
 - Roy Issa & Emily Hunt (West Texas A&M University, USA)
- ♦ **Fluid Catalytic Cracking**
 - Ghassan Akkary, Claire Bachawaty, Pierre Abou-Tass & Henri El-Zakhem (Balamand, Lebanon)
- ♦ **Free Flowing Robot for Automatic Pipeline Leak Detection Using Piezoelectric Film Sensor**
 - Samir Berjaoui, Rami Al-Khatib, Abdallah Elshiekh & Mazen Morad (RHU, Lebanon)
- ♦ **Condition Assessment of Large Diameter Seawater Concrete Pipes**
 - Riad Wardany (RHU, Lebanon)

Time: 15:40 - 17:40 **Session 2-B** **Room:** Queen 2 **Chair:** Farid Chaaban, AUB

Education and Public Awareness

- ♦ **Mechanical Engineering Higher Education Needs on the Threshold of Lebanon's Oil & Gas Era - A Minor in Oil & Gas**
 - Rida Nuwayhid & Ahmad Chaaban (RHU, Lebanon)
- ♦ **Primary Guidance to Environmental Legislations for Upstream Petroleum Industry: Focus on Drilling Operations**
 - Rami Harkous, Bassam Hussein & Amin Haj-Ali (LIU, Lebanon)
- ♦ **AUB Positioning in Energy Education and Research and the Role of the Masri Institute**
 - Nesreen Ghaddar (AUB, Lebanon)
- ♦ **Oil and Gas Impact on our Environment**
 - Mahmoud Halablab (RHU, Lebanon)
- ♦ **Economic Evaluations of Measures Aimed at Reducing Emissions from Thermal Power Plants**
 - Serove Awedikian, Farid Chaaban (AUB, Lebanon)

Friday, April 17, 2015

Time: 09:00 - 09:35 **Keynote Speech** **Room:** Queen 1

"Natural Gas To Liquid Transportation Fuels and Chemicals: Process Synthesis and Global Optimization Framework"

- ♦ **Dr. Christodoulos A. Floudas**
Director, Texas A&M Energy Institute

Time: 09:35 - 10:10 **Keynote Speech** **Room:** Queen 1

"Lebanon and the East-Med Countries: The Geopolitics of Gas"

- ♦ **Walid Khadduri**
Former Editor in Chief, Middle East Economic Survey

Time: 10:10 - 10:45 **Coffee Break**

Time: 10:45 - 12:45 **Session 3-A** **Room:** Queen 1 **Chair:** Mazen Al Ghoul, AUB

Exploration, Drilling & Production

- ♦ **Liquid-Liquid Equilibria for Ternary & Quarternary Systems of Methanol and Water and Cyclic Hydrocarbons.**
 - Georgio Bassil (LCU, Lebanon)
 - Cecile Lindemann, Ilham Mokbel & Jacques Jose (UCBL, France)
 - Pierre Duchet-suchaux (Total, France)
- ♦ **Heat Transfer Enhancement in Annulus Cooling Channel Subjected to Constant Heat Flux by Using Nano-fluid**
 - Akram Ezzat & Ikhlas Hasan (University of Baghdad, Iraq)
- ♦ **Advanced Prediction of Well Pattern Connectivity in Multiple Layer Heterogeneous Sandstone Reservoir**
 - Yanfeng Liu & Yuetian Liu (China University of Petroleum, China)
 - Bin Nie (Yangtze University, China)
- ♦ **Successful Intelligent Hydrocarbon Exploration Onshore; A Potential Avenue for Offshore Explorations**
 - Reza Taheri (LAU, Lebanon)
- ♦ **An Overview of Extended Reach Drilling: Focus on Design Considerations and Drag Analysis**
 - Kamel Bou Hamdan, Rami Harkous & Hadi Abou Chakra (BAU, Lebanon)

- ♦ **Critical Success Factors of the Exploration and Production Software Eco-systems**
- Prem Saini (Baker Hughes, The Netherlands)
- Ahmed Aqrabi (Schlumberger, Norway)

Time: 10:45 - 12:45 **Session 3-B** **Room:** Queen 2 **Chair:** Rida Nuwayhid, RHU

Oil and Gas: Opportunities for Lebanon

- ♦ **The National Management of Lebanon's Black Gold: Lessons from International Experiences**
- Jamil Hammoud (RHU, Lebanon)
- ♦ **Role of Civil Society in Lebanon's Petroleum Sector Case Study: Lebanese Oil & Gas Initiative**
- George Sassine & Diana Kaissy (Harvard University)
- ♦ **Overview of the Oil and Gas Exploration in Lebanon**
- Houssam Salami & Mirvat Abdallah (RHU, Lebanon)
- ♦ **Oil and Gas in Lebanon: Curse or Blessing?**
- Rabih Zotti (BAU, Lebanon)
- ♦ **Oil and Gas in Lebanon: Extract or do not Extract?**
- Abdallah Nassereddine & Mohamed Berjawi (BAU, Lebanon)
- ♦ **Export Infrastructure and Monetizing Options for Lebanon's Natural Gas**
- Johannes Ardiant & Ahmed Warfa (Harvard University)

Time: 12:45 - 14:15 **Lunch Break**

Time: 14:15 - 14:50 **Keynote Speech** **Room:** Queen 1

"Factors Affecting the Fate and Transport of Oil Spills"

- ♦ **Dr. Michel Bufadel**
Director for the Center for Natural Resources Development and Protection, New Jersey Institute of Technology

Time: 14:50 - 15:20 **Coffee Break**

Time: 15:20 - 17:00 **Panel Discussion** **Room:** Queen 1

Theme: The Prospects of Gas & Oil Projects in Lebanon

Dr. Raymond Ghajar - Panel Moderator

- ♦ **Panelists**
- Mr. Kamil Abu Sleiman
- Mr. Jamal Jarrah
- Dr. Marwan Iskandar
- Mr. Walid Nasr