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Scientific Program

2nd International Conference on

Advances in Chemical Engineering and Technology

16-17 November, 2017 | Paris, France



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Day 1 November 16, 2017

09:00-9:30 Registration

Sunset 2

conferenceseries.com 09:30-10:00 **Opening Ceremony**

Keynote Forum

10:00-10:05 **Introduction**

10:05-10:45 **Title: Oil and gas developments and future growth**
Amarjit Bakshi, Refining Hydrocarbon Technologies LLC, USA

Networking and Refreshments Break 10:45-11:05 @ Foyer

11:05-11:45 **Title: Spray Flash Evaporation (SFE): A technique for breakthrough chemical engineering challenges**
Denis Spitzer, Director NS3E Laboratory, France

Sessions: Chemical Engineering | Catalysis Engineering

Session Chair: P. S. T. Sai, Indian Institute of Technology Madras, India

Session Introduction

11:45-12:10 **Title: An overview of renewable fuels ethanol from cellulose and bio-diesel from conventional/algae feed status and economic options for ETBE**
Amarjit Bakshi, Refining Hydrocarbon Technologies LLC, USA

12:10-12:35 **Title: Reforming of toluene with bimetallic catalysts supported on alumina and synthesized by an aqueous sol-gel process**
Stéphanie D. Lambert, , University of Liege, Belgium

12:35-13:00 **Title: Foaming in gas sweetening process: Comprehensive experimental efforts lead to better understanding and predication of amine foaming**
Emad Alhseinat, Khalifa University, UAE

Group Photo

Lunch Break 13:00-14:00 @ Ncafé

14:00-14:25 **Title: Effect of initial salt concentration on acid and base production from NH_4Cl - NaCl solution by bipolar membrane electrodialysis**
Sinan Yapici, Inonu University, Turkey

14:25-14:50 **Title: Synthesis and application of β-cyclodextrin-based cinchona organocatalysts and their recovery by organic solvent nanofiltration**
Jozsef Kupai, Budapest University of Technology and Economics, Hungary

14:50-15:15 **Title: Mathematical model for the prediction of the dissolution of residual coffee beans for the sustainable production of energy materials**
José Angel Loredo-Medrano, University of Nuevo Leon, Mexico

Sessions: Biotechnology | Biologically Engineered Systems

Session Chair: Kenji Abe, Ajinomoto Inc. , Japan

Session Introduction

15:15-15:40 **Title: Microbial pretreatment of biomass for renewable energy production**
Jaron Hansen, Brigham Young University, USA

15:40-16:05 **Title: Biological breakdown of lignocellulose to produce renewable energy**
Conly Hansen, Utah State University, USA

Networking and Refreshments Break 16:05-16:25 @ Foyer

16:25-16:50 **Title: Engineering of *Escherichia coli* to facilitate efficient utilization of isomaltose and panose in industrial glucose feedstock**
Kenji Abe,Ajinomoto Inc. , Japan

	Video Presentation
16:50-17:10	**Title: Chemical looping combustion and gasification technologies for production of heat and valuable commodities** **Ranjani Siriwardane,** National Energy Technology, USA
	Panel Discussion

Day 2 November 17, 2017

Sunset 2

Keynote Forum

10:00-10:40	**Title: Biothermodynamics: Bridging thermodynamics with biochemical Engineering** **Urs von Stockar,** Swiss Federal Institute of Technology, Lausanne (EPFL), Switzerland
	Networking and Refreshments Break 10:40-11:00 @ Foyer
11:00-11:40	**Title: Bio-based chemistry in water: Future perspectives in catalysis** **Christophe LEN,** Sorbonne Université, France
	Sessions: Petroleum Engineering
	Session Chair: Amarjit Bakshi, Refining Hydrocarbon Technologies LLC, USA
	Session Introduction
11:40-12:05	**Title: Change refinery gasoline economics by breakthrough smart technologies: RHT- alkylation and RHT-iso-octene and iso-octane technology** **Amarjit Bakshi,** Refining Hydrocarbon Technologies LLC, USA
12:05-12:30	**Title: How can augmented reality change the future of the oil and gas Industry** **Mohammad A. AlKazimi,** Kuwait Oil Company, Kuwait
12:30-12:45	**Title: Optimization of delay coker unit by using of artificial neural network** **Ali Shaeri ,** The National Iranian Oil Engineering & Construction Co., Iran
12:45-13:00	**Title: Increasing research octane number in a catalytic reforming unit by employing artificial neural network** **Ali Shaeri ,** The National Iranian Oil Engineering & Construction Co., Iran
	Lunch Break 13:00-14:00 @ Ncafé
	Sessions: Biofuels | Chemical Reaction Engineering | Transport Phenomenon | Safety Methods
	Session Chair: Emad Alhseinat, Khalifa University, UAE
	Session Introduction
14:00-14:25	**Title: Temperature sensors position in chemical reactors: The use of CFD.** **Valentina Busini,** Politecnico di Milano, Italy
14:25-14:50	**Title: New types, halogen-free, eco-safe, inexpensive fire-extinguishing and fire- protective materials** **Lali Gurchumelia,** TSU Rafael Agladze Institute of Inorganic Chemistry and Electrochemistry, Georgia
14:50-15:15	**Title: Modeling and simulation of coal gasification in internally circulating fluidized bed** **P. S. T. Sai ,** Indian Institute of Technology Madras, India
15:15-15:40	**Title: The performance of dual-bed system of MoS_2/Al_2O_3 and Co-MoS_2/Al_2O_3 catalysts in ULSD production from the mixture of rapeseed oil and SRGO** **Irina V. Deliy,** Novosibirsk National Research University, Russia
15:40-16:05	**Title: Investigating the effects of inlet gas velocity on the operation of multi-zone circulating reactors: A CFD study** **Reza Marandi,** National Petrochemical Company, Research and Technology,Iran
	Networking and Refreshments Break 16:05-16:20 @ Foyer
	Young Researchers Forum
16:20-16:40	**Title: Study of the retention of hydrophobic actives from cosmetic emulsions on optimized human skin mimics** **Georgios Gkotsis,** University of Birmingham

16:40-17:00	**Title: Potential of dry fermentation using novel reactors** **Regina J. Patinvoh**, University of Borås, Sweden
17:00-17:20	**Title: Amino Acids as gas hydrate inhibitors for offshore oil and gas industry** **M. Fahed Qureshi** , Qatar University, Qatar

Poster Presentations : 17:20-17:45 @ Meeting rooms

ECH-01	**Title: Numerical simulation of the mass transfer in hydrophobic hollow fiber using the finite volume method** **Carlos Zambra** , Universidad de Talca, Curico, Chile
ECH-02	**Title: Kinetic model and simulation of Fischer Tropsch (FT) reactor with iron catalyst: state of art and FASTCARD alternative.** **Irene Rapone**, Eni SpA, Italy
ECH-03	**Title: First principle Study of the magnetic properties of SnO_2 slab** **Mahmoud Jafari**, K .N. Toosi University of Technology, Iran
ECH-04	**Title: Effect of synthesis process variables on morphological and mechanical properties of vitreous carbon scaffolds for tissue engineering applications** **Natalia Terán-Acuña**, Universidad Industrial de Santander, Colombia
ECH-05	**Title: Adsorption of oxytetracyclin on modified bentonites** **Faroudja Mohellebi** , Ecole Nationale Polytechnique, Algeria
ECH-06	**Title: Computational Study of thermal properties of TiC Nanowires** **Maryam Jafari** , University of Tehran, Iran
ECH-07	**Title: Synthesis, characterization and reactivity of mesoporous materials Fe-TUD-1** **Saliha HADDOUM**, Ecole Nationale Polytechnique, Algeria
ECH-08	**Title: Effectiveness of Pyrrolidinium Ionic Liquids as gas hydrate inhibitors** **M. Fahed Qureshi**, Qatar University, Qatar

Panel Discussion

Award & Closing Ceremony

