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5th International Conference on

Advances in Chemical Engineering & Technology

October 04-05, 2018
London, UK



SCIENTIFIC PROGRAM

DAY 1
october 4th thursday

08:30-09:00 **Registrations**

09:00-09:30 **Introduction**

09:30-09:50 COFFEE BREAK

09:50-11:50 Meeting Hall 01 **KEYNOTE LECTURES**

11:50-13:10

MEETING HALL 01	MEETING HALL 02
Talks On: Chemical engineering	**Talks On: catalysis engineering**
Nano technology	Photo & Electrocatalysis
process control	Reaction Engineering
Organic Chemical Technology	Structured Catalysts
Inorganic Chemical Technology	Chemical Intermediates

13:10-13:15 GROUP PHOTO

13:15-14:00 LUNCH BREAK

14:00-16:00

MEETING HALL 01	MEETING HALL 02
Talks On: Chemical Reactions Engineering	**Talks On:** Thermodynamics process
Modelling of Chemical Reaction Engineering	Thermodynamic equilibrium
Non ideal Reactors and Mixers	Laws of Thermodynamics
Fluidized Bed Technologies	Chemical Thermodynamics
Reaction Testings	Non Equilibrium thermodynamics
Chemical Reactor Designs	Biological Thermodynamics
Mass spectrometry techniques	Plasma electrolytic oxidation

16:00-16:20 COFFEE BREAK

MEETING HALL 01 (16:20-17:00)	MEETING HALL 01 (17:00-18:00)
young researcher in chemical engineering	Workshop

DAY 2
october 5th friday

09:00-10:30 Meeting Hall 01 — **KEYNOTE LECTURES**

10:30-10:50 COFFEE BREAK

10:50-12:50	MEETING HALL 01	MEETING HALL 02
	Talks On: Polymer Technology	**Talks On: Fluid Dynamics**
	Advances in polymer Science	Newtonian Fluids
	Polymer Processing	Non Newtonian Fluids
	Industrial Aspects of Polymers	Complex Fluids
	Biomics	Navier-Stokes Theorem
	Kinetics of Polymerization Reactions	Computational Fluid Dynamics
	Polymer Modifications	Compressible Flows

12:50-13:35 LUNCH BREAK

13:35-15:55	MEETING HALL 01	MEETING HALL 02
	Talks On: Separation technique	**Talks On: Biofuels**
	Membrane Separation	Biomaterials
	Ion Exchange	Biochemical Engineering
	Micro Filtration	Petroleum Engineering
	Fractional distillation	Environmental Engineering
	Fractional distillation	Water Technology and Innovation
	Electrophoresis	Biotechnology
	Chromatography	Safety Methods
		Enterpreneurship Investment Meet

15:55-16:15 COFFEE BREAK

MEETING HALL 01 (16:15-17:00)	MEETING HALL 01 (17:00-18:00)
Poster Presentations	Workshop

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Canada



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Angelo Basile

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Lei Zhang
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LONDON Attractions



















Chemical Engineering Reminisce













Glimpses of Advances in Chemical Engineering Conferences 2017

















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1485th Conference

Scientific Program

2nd International Conference on

Advances in Chemical Engineering and Technology

16-17 November, 2017 | Paris, France



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Registration

Sunset 2

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Opening Ceremony

Keynote Forum

Introduction

Title: Oil and gas developments and future growth

Amarjit Bakshi, Refining Hydrocarbon Technologies LLC, USA

Networking and Refreshments Break

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

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

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

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

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

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

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

Title: Microbial pretreatment of biomass for renewable energy production

Jaron Hansen, Brigham Young University, USA

Title: Biological breakdown of lignocellulose to produce renewable energy

Conly Hansen, Utah State University, USA

Networking and Refreshments Break

Title: Engineering of *Escherichia coli* to facilitate efficient utilization of isomaltose and panose in industrial glucose feedstock

Kenji Abe,Ajinomoto Inc. , Japan

Video Presentation

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

Title: Biothermodynamics: Bridging thermodynamics with biochemical Engineering

Urs von Stockar, Swiss Federal Institute of Technology, Lausanne (EPFL), Switzerland

Networking and Refreshments Break

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

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

Title: How can augmented reality change the future of the oil and gas Industry

Mohammad A. AlKazimi, Kuwait Oil Company, Kuwait

Title: Optimization of delay coker unit by using of artificial neural network

Ali Shaeri , The National Iranian Oil Engineering & Construction Co., Iran

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

Sessions: Biofuels | Chemical Reaction Engineering | Transport Phenomenon | Safety Methods

Session Chair: Emad Alhseinat, Khalifa University, UAE

Session Introduction

Title: Temperature sensors position in chemical reactors: The use of CFD.

Valentina Busini, Politecnico di Milano, Italy

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

Title: Modeling and simulation of coal gasification in internally circulating fluidized bed

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

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

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

Young Researchers Forum

Title: Study of the retention of hydrophobic actives from cosmetic emulsions on optimized human skin mimics

Georgios Gkotsis, University of Birmingham

Title: Potential of dry fermentation using novel reactors

Regina J. Patinvoh, University of Borås, Sweden

Title: Amino Acids as gas hydrate inhibitors for offshore oil and gas industry

M. Fahed Qureshi , Qatar University, Qatar

Poster Presentations

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

