4th International Conference on
CHEMICAL ENGINEERING
September 17-18, 2018 | Vancouver, Canada

Scientific Program
Day 1  September 17, 2018
Conference Hall: Alder Room

08:30-09:30 Registrations

09:30-10:00 Opening Ceremony

Keynote Forum

10:00-10:40  Title: Role of science in developing of enhanced oil and gas resources being environmentally sound and protecting water use  
Davis L Ford, The University of Texas at Austin, USA

Panel Discussion

Networking & Refreshment Break 10:40-11:00 @ Foyer

11:00-11:40  Title: Application of cavitation process in bitumen recovery from oilsands  
Adango Miadonye, Cape Breton University, Canada

11:40-12:20  Title: Transient CFD simulations of a circulating fluidized bed in fuel reactor for chemical looping combustion  
Ramesh Agarwal, Washington University in St. Louis, USA

Sessions: Chemical Engineering | Chemical Polymer Technology | Applications of Chemical Technology | Petroleum Refining and Petrochemicals | Environmental and Sustainable Chemical Engineering
Session Chair: Anand Prakash, University of Western Ontario, Canada

Session Introduction

12:20-12:50  Title: Theory and application practice of the binary mixtures sol-gel transition concept for fire and explosion prevention  
Denis S Kuprin, Saint Petersburg State University, Russia

Group Photo 12:50-13:00

Lunch Break 13:00-14:00 @ Foyer

14:00-14:30  Title: Modification of epoxy resins by thermoplastic polyurethanes based on polycarbonate diol  
Milorad Ninkovic, University of Novi Sad, Serbia

14:30-15:00  Title: Cleaner and greener fuels from an integrated petroleum refinery  
Anand Prakash, University of Western Ontario, Canada

15:00-15:30  Title: Catalytic performance of siderite catalysts on low-temperature SCR of NO by NH₃  
Gui-huan Yao, Nanjing Tech University, PR China

Panel Discussion

Poster Presentation

15:30-15:40  Title: On the features of estimating the coefficient of inhomogeneity of a loose mixture during the operation of a gravitational device  
Anna Kapranova, Yaroslavl State Technical University, Russia

Panel Discussion

Networking & Refreshment Break 15:40-16:00 @ Foyer

Video Presentations

16:00-16:20  Title: A new approach to modeling and simulating of mass transfer processes in industrial column apparatuses  
Christo Boyadjiev, Bulgarian Academy of Sciences, Bulgaria

16:20-16:40  Title: A new family of catalysts based on a mining residue: The case of Ni-UGSO and its application to biogas, bio-oil and aromatic hydrocarbons reforming  
Nicolas Abatzoglou, Université de Sherbrooke, Canada

Panel Discussion
Day 2  September 18, 2018

Conference Hall: Alder Room

Keynote Forum
10:00-10:40  Title: On the influence of the degree of opening of the regulator valve separator on the process of formation of cavitation bubbles
Anna Kapranova, Yaroslavl State Technical University, Russia

Panel Discussion
Networking & Refreshment Break 10:40-11:00 @ Foyer

11:00-11:40  Title: Crystal nucleation and growth in undercooled melts of metals and alloys
Dieter Matthias Herlach, DLR-Institut für Materialphysik im Weltraum, Germany

Panel Discussion

Sessions: Chemical Engineering | Crystallization | Unit Operations and Separation Process

Session Introduction

11:40-12:10  Title: Resurrection of US Coal using Hydrothermal Liquefaction
Rakesh Govind, University of Cincinnati, USA

12:10-12:40  Title: Inulin extraction using different non-conventional techniques
Lorena Jaramillo, National Polytechnic School, Ecuador

12:40-13:10  Title: Exfoliation Syndrome: Targeting protein fibrils in the eye
Mehdi Ghaffari Sharaf, University of Alberta, Canada

Panel Discussion

Lunch Break 13:10-14:00 @ Foyer

Networking 14:00-15:30

Coffee Break 15:30-15:50 @ Foyer

Thanks Giving & Closing Ceremony