

4th International Conference on

CHEMICAL ENGINEERING

September 17-18, 2018 | Vancouver, Canada



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

Group Photo

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

