



Canadian Society for Chemical Engineering | **For Our Future**
Société canadienne de génie chimique | **Pour notre avenir**

Conference Status Report

27 Aug 2018

Dr. Charles Q. Jia, Chair, Conference Organization Committee

Venue:

Sheraton Centre Toronto Hotel, Toronto, Canada

all meetings and events at the Sheraton unless otherwise indicated

Registration Open

early-bird deadline 25 September 2018

go to: <http://www.csche2018.ca/registration>

Anticipated Participation:

1,500+ registrants from 50+ countries

*combination of full, foreign, postdoctoral, retired, unemployed,
graduate/undergraduate student, one-day registrations*

XXIX INTERAMERICAN CONGRESS OF CHEMICAL ENGINEERING

INCORPORATING THE

68th CANADIAN CHEMICAL ENGINEERING CONFERENCE | OCTOBER 28–31 2018
TORONTO, ON www.csche2018.ca

ENGINEERING FOR A HEALTHY AND SUSTAINABLE PLANET

Conference-At-A-Glance *

27 Oct	Saturday	CIC Board of Directors Meeting IACChE and CIC/CSCHE Board of Directors Reception and Dinner
28 Oct	Sunday	IACChE Meeting , Cedar Room, time to be determined CSCHE Board of Directors Meeting, Peel Room Opening Ceremony and CIC Montreal Medal Award Plenary Lecture, 18:00-19:30 Welcome Reception , 19:30-21:30
29 Oct	Monday	Kristi Anseth , Plenary Lecture, 08:00-08:55 Max Lu , Plenary Lecture, 13:00-13:55 Oral Presentations, 08:00-17:40 Poster Session and Reception, 17:40-19:30
30 Oct	Tuesday	James Y. Oldshue Award Plenary Lecture, 08:00-08:55 CSCHE Annual General Meeting, 12:10-12:50, Pine Room Emerging Leaders Forum , 13:00-14:20 Oral Presentations, 08:00-17:40 Poster Session and Reception, 17:40-19:30 VIP Reception , 18:45-19:30 Banquet and Awards Ceremony , 19:30-22:00
31 Oct	Wednesday	R.S. Jane Memorial Award Plenary Lecture, 08:00-08:55 Oral Presentations, 08:00-17:40

* all events held at the Sheraton Centre Toronto Hotel

Program Overview

1,000+ technical contributions with 800+ oral presentations and ~230 posters from 40+ countries

- Five (5) plenary speakers
- Eighty (80) keynote / invited speakers
- Seven (7) international symposia
addressing the big global challenges in the area of health, sustainability, energy, natural resources, and the environment aligned to United Nations 2030 Sustainable Development Goals.
- Ten (10) technical tracks

Special Sessions including

- Emerging Leaders in Chemical Engineering
- Modern Engineering Education
- Chemical Engineering Research in Latin America (held in Portuguese/Spanish)
- Processes and Products for a Cyclic Economy
- Process Safety Management
- Accelerating Social Change Within Engineering

Student Program

Comprehensive program for undergraduate and graduate students with a students awards banquet.

- Early Career Publishing Workshop
- Keynote Speech for Undergraduate Students
- Robert G. Auld Student Paper Competition
- Reg Friesen Student Oral Paper Competition
- Graduate Studies Fair
- 3-Minute Pitch Competition
- Hatch Plant Design Competition
- Graduate Student Poster Competition

Program Details

Five (5) plenary speakers:

- **Kristi Anseth**, University of Colorado, USA, on “Engineering Precision Biomaterials for Regenerative Medicine”
- **Max Lu**, University of Surrey, UK, on “Challenges and Opportunities in Energy Materials”
- **Rubens Maciel Filho**, State University of Campinas, Brazil, (James Oldshue Lecture Award winner), on “Towards a New Vision for Chemical Engineering: Biofuels and Bio-refinery as Base for Bio-economy”
- **Robert Magee**, Woodbridge Group (CIC Montreal Medal winner) on “Funny thing about experience, it takes time. What the next generation of Chem. Eng. need to know”
- **Jamal Chaouki**, Polytechnique Montreal (R.S. Jane Memorial Award winner)

Eighty (80) keynote / invited speakers coming from countries in the Americas and beyond, including Brazil, Chile, Mexico, Uruguay, Austria, Portugal, Sweden, France, UK, USA and South Korea, making our conference truly international and representing university, industry and government.

Seven (7) international symposia, including three to honor internationally renowned Canadian pioneers, Mike Sefton (biomedical engineering), Don Mackay (environmental sciences) and David Goring (lignocellulosic resources). The symposia aim to address the big challenges that the world is facing in the area of human health, sustainably energy, natural resources, globalization and the environment. That is, aligned to United Nations 2030 Sustainable Development Goals.

Symposia Titles:

Biomedical Engineering & Human Health in Honour of Michael V. Sefton
Fate and Transport of Pollutants in the Environment in Honour of Don Mackay
Lignocellulosic Biorefinery and Bioproducts in Honour of David Goring
Industrial Biocatalysis: Harnessing the Power of Genomics
Global Engineering
Clean Energy and Greenhouse Gas Technologies
Water Resources & Process - Affected Water

Seven (7) Special Sessions

Industry champions are leading 2 special sessions: “*Process Safety Management*” and “*Products and Processes for a Circular Economy*”. They will help enhance the much-desired interaction and collaboration amongst colleagues from industry, government and academia; an important goal for the conference.

There is a special session on “*Modern Engineering Education*”, exploring the new ways of educating the next generation of engineers whose contributions will be critical to the wellbeing of the planet going forward. A session celebrating Chuck Mims's outstanding contributions to heterogeneous catalysis is also planned. The “*Chemical Engineering Research in Latin America*” session will be held in Portuguese/Spanish to facilitate the participation of colleagues from Latin America.

An *Emerging Leaders Forum*, building on the success of the inaugural session at the 2017 Canadian Chemical Engineering Conference, will feature four young leaders who will be selected by a committee. This prestigious session will recognize the contributions of early career researchers and highlight their vision and leadership in their respective fields.

Special Session Titles:

Emerging Leaders Forum
Celebrating Chuck Mims's Outstanding Contributions to Heterogeneous Catalysis
Process Safety Management
Modern Engineering Education
Chemical Engineering Research in Latin America (held in Portuguese/Spanish)
Accelerating Social Change within Engineering
Products and Processes for a Circular Economy

Ten (10) Technical Tracks

To reflect the diversity of chemical engineering discipline, ten technical tracks have been organized, showcasing the advances in traditional and emerging chemical engineering fields.

Advanced Functional Materials
Biochemical Engineering
Catalysis and Reaction Engineering
Chemical Engineering Fundamentals
Energy and Natural Resources
Engineering & Entrepreneurship
Environmental Engineering
Microfluidics and Nanotechnology
Separation and Bioseparation
Systems & Control

Special Issue of the *Canadian Journal of Chemical Engineering* (CJChE)

One to two papers will be proposed from each symposium/track from the conference for possible inclusion in a special issue of the *Canadian Journal of Chemical Engineering* with Dr Farhad Ein-Mozaffari as guest editor.

Student Program

There will be a rich and wholesome student program for both undergraduate and graduate students. It will consist of eight events and an awards banquet.

Early Career Publishing Workshop
Keynote Speech for Undergraduate Students
Robert G. Auld Student Paper Competition
Reg Friesen Student Oral Paper Competition
Graduate Studies Fair
3-Minute Pitch Competition
Hatch Plant Design Competition
Graduate Student Poster Competitionst