

ISCRE 27

27th International Symposium on Chemical Reaction Engineering

Sunday, June 11 — Wednesday, June 14, 2023

Hilton Québec, Québec City, Québec, Canada

GENERAL PROGRAM OVERVIEW

Sunday, June 11, 2023

- 1:00 - 7:00 pm Meeting Registration (*Grande Place*)
- 2:00 - 5:00 pm Pre-conference Workshops
- Laboratory Reactors (*Kent*)
 - Modeling of Catalytic Reactors in gPROMS Process (*Beauport*)
 - Scaling of Reacting Systems (*Courville*)
 - Technical Writing (*Sainte-Foy*)
- Pre-registration Required**
- 5:00 - 6:30 pm Dinner on Own
- 6:30 - 7:30 pm Opening Plenary (*Palais/Kent*)
Dr. Rob Crane, ExxonMobil, Process Innovation & Scale-up Manager
- 7:30 - 9:00 pm Welcome Reception (*Grande Place*)

Monday, June 12, 2023

- 7:00 am - 5:00 pm Meeting Registration (*Grande Place*)
- 8:00 - 8:10 am Introductory Remarks & Symposium Announcements
Aris Award Presentation (*Palais/Kent*)
- 8:10 - 8:55 am Plenary: Andrea Bozzano, Honeywell UOP (*Palais/Kent*)
- 8:55 - 9:40 am Plenary: Prof. Yanet Villasana, IKIAM Amazon Regional University (*Palais/Kent*)
- 9:40 - 10:05 am Coffee Break (*Grande Place*)
- 10:05 – 11:41 am Parallel Oral Presentation Sessions
- Session 1: Catalytic Reaction Engineering 1 (*Kent*)
- Session 2: Process Intensification 1 (*Palais*)
- Session 3: CO₂ Capture, Conversion and Valorization 1 (*St. Louis*)
- Session 4: Computational Fluid Dynamics in Reaction Engineering
(*Beauport/Beaumont/Belair*)
- Session 5: Pharmaceutical and Biological Reaction Engineering 1
(*Courville/Mont-Morency*)

- 11:41 am - 1:10 pm Lunch on Own
- 1:10 - 3:02 pm Parallel Oral Presentation Sessions
Session 6: Catalytic Reaction Engineering 2 (*Kent*)
Session 7: Process Intensification 2 (*Palais*)
Session 8: CO₂ Capture, Conversion and Valorization 2 (*St. Louis*)
Session 9: Fluidization & Chemical Looping (*Beauport/Beaumont/Belair*)
Session 10: Multiphase Reactor Engineering and Scale-up 1
(*Courville/Mont-Morency*)
- 3:02 - 3:20 pm Coffee Break (*Grande Place*)
- 3:20 – 4:56 pm Parallel Oral Presentation Sessions
Session 11: Catalytic Reaction Engineering 3 (*Kent*)
Session 12: Process Intensification 3 (*Palais*)
Session 13: CO₂ Capture, Conversion and Valorization 3 (*St. Louis*)
Session 14: Process Electrification (*Beauport/Beaumont/Belair*)
Session 15: Pharmaceutical and Biological Reaction Engineering 2
(*Courville/Mont-Morency*)
- 5:00 - 7:00 pm Poster Presentation Session 1 (*Grande Place*)
- 7:00 pm Dinner on Own

Tuesday, June 13, 2023

- 7:00 am - 5:00 pm Meeting Registration (*Grande Place*)
- 8:00 – 8:10 am Introductory Remarks & Symposium Announcements (*Palais/Kent*)
- 8:10 - 8:55 am Plenary: Dr. Jesper Nerlov, Topsoe, Chief Technology Officer (*Palais/Kent*)
- 8:55 - 9:40 am SABIC Plenary: Prof. Kevin Van Geem, Ghent University (*Palais/Kent*)
- 9:40 - 10:10 am Coffee Break (*Grande Place*)
- 10:10 – 11:30 am Parallel Oral Presentation Sessions
Session 16: Reaction Kinetics and Kinetic Modeling 1 (*Kent*)
Session 17: Process Intensification 4 (*Palais*)
Session 18: CO₂ Capture, Conversion and Valorization 4 (*St. Louis*)
Session 19: Modeling Strategies in Reaction Engineering 1
(*Beauport/Beaumont/ Belair*)
Session 20: Biomass Conversion and Bioprocesses 1 (*Courville/Mont-Morency*)
- 11:30 am - 1:00 pm Lunch on Own

- 1:00 – 2:36 pm Parallel Oral Presentation Sessions
Session 21: Catalytic Reaction Engineering 4 (*Kent*)
Session 22: Process Intensification 5 (*Palais*)
Session 23: Electrocatalysis and Photocatalysis (*St. Louis*)
Session 24: Multiphase Reactor Engineering and Scale-up 2
(*Beauport/Beaumont/ Belair*)
Session 25: Biomass Conversion and Bioprocesses 2 (*Courville/Mont-Morency*)
- 2:36 - 2:55 pm Coffee Break (*Grande Place*)
- 2:55 – 4:31 pm Parallel Oral Presentation Sessions
Session 26: Operando and Imaging of Catalytic Reactions (*Kent*)
Session 27: Process Intensification 6 (*Palais*)
Session 28: Polymer Upcycling 1 (*St. Louis*)
Session 29: Modeling Strategies in Reaction Engineering 2
(*Beauport/Beaumont/ Belair*)
Session 30: Pyrolysis (*Courville/Mont-Morency*)
- 4:30 - 6:30 pm Poster Presentation Session 2 (*Grande Place*)
- 7:15 – 8:00 pm Symposium Reception (*Grande Place*)
- 8:00 – 10:00 pm Symposium Banquet (*Palais/Kent*)
With Amundson Award Presentation and Remarks

Wednesday, June 14, 2023

- 8:30 – 8:45 am Introductory Remarks & Poster Award Announcements (*Palais/Kent*)
- 8:45 - 9:30 am Plenary: Prof. Theodore Betley, Harvard (*Palais/Kent*)
- 9:30 - 9:50 am Coffee Break (*Grande Place*)
- 9:50 am – 11:55 pm Parallel Oral Presentation Sessions
Session 31: Reaction Kinetics and Kinetic Modeling 2 (*Kent*)
Session 32: Hydrogen Production (*Palais*)
Session 33: Polymer Upcycling 2 (*St. Louis*)
Session 34: Multiphase Reactor Engineering and Scale-up 3
(*Beauport/Beaumont/ Belair*)
Session 35: Modeling Strategies in Reaction Engineering 3
(*Courville/Mont-Morency*)