

Programming Committee

Programming Committee Chair

Donald J. Chmielewski (chmielewski@iit.edu) Illinois Institute of Technology

Programming Logistics Committee

Emily J. Kunkel

Sargent & Lundy

Reza Mostofi

UOP/Honeywell

Programming Area Committees

❖ Biomedical, Pharmaceutical and Nano-Engineering

Topics: Biophysics, biointerfaces and biosensors; Tissue engineering and biomaterials; Pharmaceutical engineering and processes; Monitoring and assessment; Physiology; Systems biology; Nano-engineering for biomedical applications

Programming Committee:

- Zoltan Nagy (chair) Purdue University
- Baris U. Agar Baxter
- Atul Khare Pfanstiehl
- Mrignayani Kotecha University of Illinois at Chicago
- Shyam Vaidya (past chair) Abbott Laboratories

❖ Catalysis and Reaction Engineering:

Topics: Reaction engineering and reactor analysis; Atomic layer deposition; Photo- and electrocatalysis; Fuel cell systems; Environmental catalysis; Polymer reaction engineering; Novel catalytic materials; Catalytic processing of biomass

Programming Committee:

- Victor Sussman (chair) Dow Chemical
- Eric Dorskocil BP
- Adam Hock Illinois Institute of Technology
- Nancy Kariuki Argonne National Laboratory
- Feng Xu UOP/Honeywell
- Hong Yang University of Illinois at Urbana-Champaign
- Justin Notestein (past chair) Northwestern University

❖ Energy and Sustainability

Topics: Renewable and alternative energy systems; Bio-fuels and thermo-chemical conversion and gasification processes; Carbon dioxide capture and utilization; Waste to energy processes; Building energy systems; Smart grid and smart manufacturing; Industrial de-carbonization; Biological based chemicals and consumer products; Sustainable supply chains and the chemical industry; Life cycle analysis

Programming Committee:

- Ignasi Palou-Rivera (chair) LanzaTech
- Diane Graziano Argonne National Laboratory
- Naomi Klinghoffer Gas Technology Institute
- Rae Mindock Rae Mindock Consulting
- George P. Nassos George P. Nassos & Associates, Inc.
- Diwakar Rana DuPont
- Gerardo Ruiz-Mercado US EPA
- Elena Savona Elevate Energy
- Hamid Arastoopour (past chair) Illinois Institute of Technology

❖ Environmental Compliance and Remediation

Topics: Environmental regulation and compliance; Water and wastewater treatment; Air pollution control; Solid waste management; Contaminated soil and sediment; Sustainability; Drinking water treatment

Programming Committee:

- Amid Khodadoust (chair) University of Illinois at Chicago

2017 AIChE Midwest Regional Conference
February 28 – March 1, 2017 – Chicago, IL

- *Ferdinand Alido* Navistar
- *Vinod Barot* Gerson Lehrman Group
- *Jarad Champion* Geosyntec
- *Brian P. Chaplin* University of Illinois at Chicago
- *Srivastava Vipul* CH2M

❖ **Fluid Properties, Fluid Dynamics and Transport Phenomena**

Topics: Rheology; Computational fluid dynamics; Fluidization and particulates; Heat transfer and separations technology; Flow in confined systems; Self-assembly; Polymers, gels, blends and composites; Suspensions and colloids

Programming Committee:

- *Paul Kenis* (chair) University of Illinois at Urbana-Champaign
- *Hadjira Iddir* UOP/Honeywell
- *Matthew Liberatore* University of Toledo
- *Raj Venuturumilli* BP
- *Yuzhen Yang* SABIC
- *Lubo Zhou* (past chair) UOP/Honeywell

❖ **Process Engineering, Modeling, Optimization and Control**

Topics: Design of novel unit operations; Pilot plants and scale-up; Thermodynamic modeling; Design of experiments; Data analytics; Technology transfer; Process modeling and simulation; Process optimization and control; Decision-making under uncertainty; Process operations and supply chain management

Programming Committee:

- *Ha Dinh* (chair) UOP/Honeywell
- *Michael Driscoll* Stepan
- *William Hollar* SABIC Innovative Plastics
- *Victor Zavala* University of Wisconsin
- *Carl Laird* (past chair) Purdue University

❖ **Process Safety and Occupational Health**

Topics: Process safety management; Occupational safety and health; Quantitative risk assessment; Consequence modeling; OSHA regulatory changes; Incident investigation; Near misses; Management of change, Process hazards analysis; Instrumented safeguards; Reliability analysis

Programming Committee:

- *Brenton Cox* (chair) Exponent
- *Peter Herena* BakerRisk
- *Sherice Randick* BP
- *Qingsheng (Sam) Wang* Oklahoma State University
- *Robert J. Weber* Process Safety and Reliability Group
- *Scott M. Wozniak* UOP/Honeywell
- *Janet Evans* (past chair) CF Industries

❖ **Refining and Petrochemical Processing**

Topics: Distillation; Catalytic processing; Feedstock flexibility; Reliability and maintenance; Operability and troubleshooting; Hydrocarbon characterization; Fouling and corrosion; Gas processing and hydrogen generation; Advanced fuels development; Novel refining technologies; Refinery economic studies

Programming Committee:

- *Jeffery Zalc* (chair) BP
- *Belma Demirel* Guidepoint
- *Sravan Pappu* Johnson Matthey
- *Brian Slusar* BP
- *Chenn Zhou* Purdue-Calumet
- *Paolo Palmas* (past chair) UOP/Honeywell