

Programming Committee

Programming Committee Chair

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

Programming Logistics Committee

Liam O'Rourke

Fauske & Associates

Emily J. Kunkel

Sargent & Lundy

Programming Area Committees

❖ Biomedical, Pharmaceutical and Nano-Engineering

Topics: Tissue engineering; Biomaterials; Pharmaceutical processes; Drug Delivery; Physiological Systems; Computational and systems biology; Biophysics, biointerfaces and biosensors; Nano-engineering for biomedical applications

Programming Committee:

- Shyam Vaidya (chair) Abbott Laboratories
- Zoltan Nagy Purdue
- Salvador Garcia-Munoz Eli Lilly
- Georgia Papavasiliou (past chair) Illinois Institute of Technology

❖ Catalysis and Reaction Engineering:

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

Programming Committee:

- Justin Notestein (chair) Northwestern
- Nancy Kariuki Argonne National Laboratory
- Eric Daskocil BP
- Victor Sussman Dow Chemical

❖ Energy and Sustainability

Topics: Novel, renewable and alternative energy systems, including fossil fuel power plants, co-generation, wind and solar generation, smart grid, fuel cell systems, bio-fuels, gasification processes, waste to energy processes; Life cycle analysis; Water resource analysis

Programming Committee:

- Hamid Arastoopour (chair) Illinois Institute of Technology
- Ignasi Palou-Riveva LanzaTech
- Victor Zavala University of Wisconsin
- Jordan Ciezobka (past chair) Gas Technology Institute

❖ Environmental Engineering

Topics: Environmental regulation and compliance; waste water management; solid waste management, air pollution control

Programming Committee:

- Gerardo Ruiz-Mercado (chair) US EPA
- Amid Khodadoust University of Illinois at Chicago

AICHE Midwest Regional Conference
March 3-4, 2016 – Chicago, IL

- *Jarad Champion* Geosyntec
- *Urmilia Diwekar* (past chair) Vishwamitra Research Institute

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

Topics: Rheology; Computational fluid dynamics; Fluidization and particulate processing; Heat transfer and separations technology; Flow in confined systems; Self-assembly; Gels; Blends composites, suspensions and colloids

Programming Committee:

- *Lubo Zhou* (chair) UOP/Honeywell
- *Paul Kenis* University of Illinois at Urbana-Champaign
- *Kiran Gupte* BP
- *Lewis Wedgewood* (past chair) University of Illinois at Chicago

❖ **Process Engineering and Optimization**

Topics: Design and development of novel unit operations; Nonlinear optimization; Pilot plants and scale-up; Process optimization and control; Process operations management; Process modeling and simulation

Programming Committee:

- *Carl Laird* (chair) Purdue
- *William Hollar* SABIC Innovative Plastics
- *Dennis O'Brien* Jacobs Consultancy
- *Rajeswar Gattupalli* (past chair) UOP/Honeywell

❖ **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:

- *Janet Grezlik* (chair) Process Safety and Reliability Group
- *Qingsheng (Sam) Wang* Oklahoma State University
- *Brenton Cox* Exponent
- *Peter Herena* (past chair) BakerRisk

❖ **Refining and Petrochemical Processing**

Topics: Distillation; Catalytic processing of fuels and petrochemicals; Feedstock flexibility; Unit revamps; Fouling and corrosion; Reliability and maintenance; Operability and troubleshooting; Hydrocarbon characterization; Product quality issues; Advanced fuel development; Gas processing and hydrogen generation; Project management; Novel refining technologies; Refinery economic studies

Programming Committee:

- *Paolo Palmas* (chair) UOP/Honeywell
- *Chenn Zhou* Purdue-Calumet
- *Jeffery Zalc* BP
- *Martin Gonzalez* (past chair) BP