

INTERNATIONAL CONFERENCE  
**Foundations of Process Analytics and Machine learning**  
**FOPAM 2019**  
StateView Hotel, Raleigh, North Carolina  
August 6-9, 2019

**Scope:** FOPAM 2019 brings together industry and academia to discuss the current status and future directions in process data analytics and machine learning. Group interactions will be promoted by invited talks, discussions, poster sessions, and other unstructured activities in the afternoons. The conference starts with a plenary on the evening of August 6 and ends with an evening banquet on August 9. The conference will be preceded by two days of optional workshops.

**Confirmed speakers include** Leo H. Chiang (Dow Chemical), Conner W. Coley (MIT), Jay H. Lee (KAIST), Warren B. Powell (Princeton), S. Joe Qin (USC), and Michael Rappa (NCSU)

#### INVITED AND CONTRIBUTED ABSTRACTS KEY DATES

Abstract Submission Deadline: **April 12, 2019**

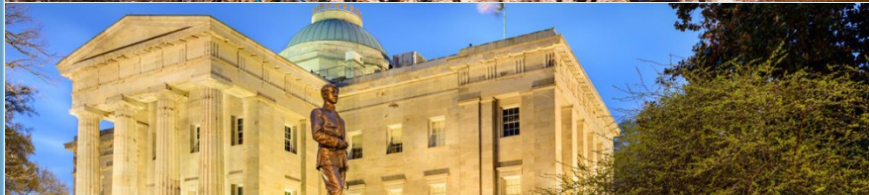
Abstract Reviews Returned: **April 26, 2019**

Final Abstract Submissions: **May 12, 2019**

**Authors of accepted abstracts invited to submit manuscript to a special issue of Computers and Chemical Engineering.**

#### SESSIONS

- Synergies between process, materials, business, and supply chain data analytics
- Data analytics and high-throughput data processing for process monitoring, estimation, and diagnosis
- Machine learning for process and control design
- Computational chemistry/materials analytics (including machine learning for molecular design)
- Reinforcement learning and deep reinforcement learning for process operations and control
- Data analytics education for chemical engineers



**CO-CHAIRS:** Richard D. Braatz (MIT), Thomas A. Badgwell (ExxonMobil), and Phillip R. Westmoreland (NCSU)

**ORGANIZING COMMITTEE:** Michael Baldea (UT Austin), Leo H. Chiang (Dow Chemical), R. Bhushan Gopaluni (U British Columbia), Jay H. Lee (KAIST), Jonathan Moore (Dow Chemical), S. Joe Qin (USC)

**AREA CHAIRS:** Michael Baldea (UT Austin), Leo H. Chiang (Dow Chemical), Johannes Hachmann (U Buffalo), S. Joe Qin (USC), Nikolaos V. Sahinidis (Carnegie Mellon), Fenqui You (Cornell), Victor Zavala (U Wisconsin)

Website: [www.fopam.org](http://www.fopam.org)

Please email questions to Robin Craven, FOPAM 2019 Conference Manager, at [robin@fopam.org](mailto:robin@fopam.org)

