

Group Presentation/Poster Schedule for AIChE 2018

Date	Time	Event	Location
Sunday, October 28	4:12 PM – 4:33 PM	30c: Towards a Two-Level Superstructure Optimization Framework for Land Use Based on Food-Energy-Water Nexus Yaling Nie , Styliani Avraamidou, Jie Li, Xin Xiao, Efstratios N. Pistikopoulos <i>Session: Fundamentals of Food, Energy, and Water Systems</i>	DLCC, 320
Monday, October 29	8:05 AM – 8:25 AM	80a: Food-Energy-Water Nexus Systems Engineering Efstratios N. Pistikopoulos , Richard Allen, Yaling Nie, Styliani Avraamidou <i>Session: FEW Nexus: Emerging Chemical Engineering Innovations from Micro-Scale Innovations to Complex, Interconnected Systems (Invited Talks)</i>	DLCC, 317
	12:55 PM – 1:20 PM	130b: A Novel Geometric Based Algorithm to Solve Multiparametric Programming Problems Justin Katz , Baris Burnak, Efstratios N. Pistikopoulos <i>Session: Future Directions in Applied Mathematics and Numerical Analysis (Invited Talks)</i>	DLCC, 409
	1:27 PM – 1:46 PM	126d: Data-Driven Optimization with Implicit Constraints: Application to an Ethane Steam Cracking Process Burcu Beykal , Melis Onel, Onur Onel, Efstratios N. Pistikopoulos <i>Session: Advances in Machine Learning and Intelligent Systems</i>	DLCC, 410
	3:30 PM – 5:00 PM [Poster]	183b: Development of the Texas A&M Superfund Research Program Computational Platform for Data Integration, Visualization, and Analysis Rajib Mukherjee , Melis Onel, Burcu Beykal, Anthony H. Knap, Timothy D. Phillips, Ivan Rusyn, Michael A. Mancini, Lan Zhou, Fred A. Wright and Efstratios N. Pistikopoulos <i>Session: Interactive Session: Data and Information Systems</i>	DLCC, Exhibit Hall B
	4:10 PM – 4:30 PM	236d: RAPID Focus Area: Modeling & Simulation Efstratios N. Pistikopoulos , David Sholl <i>PI Topical Conference Plenary Session: A Look Inside the RAPID Manufacturing Institute</i>	DLCC, 335
Tuesday, October 30	8:40 AM – 9:00 AM	304c: A Multi-Objective Energy-Water Nexus Planning Model: A Case Study of the Power Systems in Texas Edwards Aquifer Cory Allen , Yaling Nie, Styliani Avraamidou, Efstratios N. Pistikopoulos, Xin Xiao <i>Session: The Energy-Water Nexus</i>	DLCC, 317
	9:16 AM – 9:35 AM	257e: On Multiparametric/Explicit NMPC for Quadratically Constrained Problems Nikolaos A. Diangelakis , Iosif Pappas, Efstratios N. Pistikopoulos <i>Session: Advances in Process Control I</i>	DLCC, 408
	12:30 PM – 12:52 PM	331a: Toward Supply Chain Optimization of Renewable Energy Carriers William W. Tso , C. Doga Demirhan, Haneol Song, Seungyeon Lee, Joseph B. Powell, Efstratios N. Pistikopoulos <i>Session: Design, Analysis, and Optimization of Sustainable Energy Systems and Supply Chains I</i>	DLCC, 317
	2:05 PM – 2:24 PM	343f: An Integrated Data-Driven Modeling & Global Optimization Approach for Production Planning Under Uncertainty C. Doga Demirhan , Fani Boukouvala, William W. Tso, Kyungwon Kim, Hyeju Song, Efstratios N. Pistikopoulos <i>Session: Industrial Applications in Design and Operations</i>	DLCC, 409
	4:14 PM – 4:36 PM	391c: Advanced, Material-Aware Model Predictive Control Strategies for Evaporation Processes in the Pharmaceutical Industries Ioana Nascu , Nikolaos A. Diangelakis, Salvador Garcia-Muñoz, Efstratios N. Pistikopoulos <i>Session: Continuous Processing Technologies Applied in Drug Substance Manufacturing II</i>	WCC, Somerset
	5:24 PM – 5:43 PM	393g: Integrated Data-Driven Monitoring & Explicit Fault-Aware Control of Chemical Processes: An Adaptive Approach for Smart Operation Melis Onel , Baris Burnak, Efstratios N. Pistikopoulos <i>Session: Data Driven Modeling and Decision Making</i>	DLCC, 410

Group Presentation/Poster Schedule for AIChE 2018 (Cont'd)

Date	Time	Event	Location
Wednesday, October 31	10:13 AM – 10:32 AM	441h: Robust Explicit Optimization and Control within the Paroc Framework Nikolaos A. Diangelakis , Richard Oberdieck, Iosif Pappas, Efstratios N. Pistikopoulos <i>Session: Advances in Optimization Under Uncertainty</i>	DLCC, 409
	2:36 PM – 2:57 PM	507g: The Role of Software Tools in Quality By Design: A Case Study on Monoclonal Antibody Production Maria M. Papathanasiou , Nilay Shah, Efstratios N. Pistikopoulos <i>Session: Developing Process Control Strategies for Drug Product Manufacture</i>	WCC, Fayette
	4:27 PM – 4:46 PM	583d: Towards a Systematic Process Intensification Framework for Advanced Distillation Systems Yuhe Tian , M. Sam Mannan, Efstratios N. Pistikopoulos <i>Session: Process Intensification through Process Systems Engineering</i>	DLCC, 409
	4:30 PM – 4:45 PM	584e: Multi-Class Classification of Process Faults Using Nonlinear Support Vector Machine Based Feature Selection Algorithm Melis Onel , Efstratios N. Pistikopoulos <i>Session: Process Monitoring & Fault Detection</i>	DLCC, 410
Thursday, November 1	8:38 AM – 8:57 AM	629c: A Multiparametric Programming Based Approach to Integrate Design, Scheduling, and Control of a Batch Process Baris Burnak , Efstratios N. Pistikopoulos <i>Session: Modeling, Control, and Optimization of Manufacturing Systems</i>	DLCC, 408
	12:30 PM – 12:55 PM	682a: Sustainable Ammonia Production through Process Synthesis and Optimization C. Doga Demirhan , William W. Tso, Joseph B. Powell, Efstratios N. Pistikopoulos <i>Session: Process Design: Innovation for Sustainability</i>	DLCC, 316
	3:30 PM – 3:49 PM	700a: A Process Resilience Analysis Framework (PRAF) Application for Recoverability Assessment Model of Offshore Oil and Gas Platforms Prerna Jain , Efstratios N. Pistikopoulos, M. Sam Mannan <i>Session: Design and Operations Under Uncertainty II</i>	DLCC, 410
Friday, November 2	9:59 AM – 10:16 AM	734h: Application of Paroc in the Optimization and Control of PEM Water Electrolysis Process Efstratios N. Pistikopoulos, Gerald S. Ogumerem <i>Session: Modeling, Control, and Optimization of Energy Systems</i>	DLCC, 309

* DLCC – David L. Lawrence Convention Center, WCC – Westin Convention Center