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| Sunday, October 28   | 4:12 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  
Session: Fundamentals of Food, Energy, and Water Systems                                                                 | DLCC, 320         |
|          | – 4:33 PM  | 80a: Food-Energy-Water Nexus Systems Engineering  
Efstratios N. Pistikopoulos, Richard Allen, Yaling Nie, Styliani Avraamidou  
Session: FEW Nexus: Emerging Chemical Engineering Innovations from Micro-Scale Innovations to Complex, Interconnected Systems (Invited Talks) | DLCC, 317         |
|          | 8:05 AM    | 130b: A Novel Geometric Based Algorithm to Solve Multiparametric Programming Problems  
Justin Katz, Baris Burnak, Efstratios N. Pistikopoulos  
Session: Future Directions in Applied Mathematics and Numerical Analysis (Invited Talks) | DLCC, 409         |
|          | – 8:25 AM  | 126d: Data-Driven Optimization with Implicit Constraints: Application to an Ethane Steam Cracking Process  
Burcu Beykal, Melis Onel, Onur Onel, Efstratios N. Pistikopoulos  
Session: Advances in Machine Learning and Intelligent Systems                                                                 | DLCC, 410         |
| Monday, October 29   | 1:27 PM    | 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  
Session: Interactive Session: Data and Information Systems                                                                 | DLCC, Exhibit Hall B |
|          | – 1:46 PM  | 236d: RAPID Focus Area: Modeling & Simulation  
Efstratios N. Pistikopoulos, David Sholl  
PI Topical Conference Plenary Session: A Look Inside the RAPID Manufacturing Institute                                                                 | DLCC, 335         |
Cory Allen, Yaling Nie, Styliani Avraamidou, Efstratios N. Pistikopoulos, Xin Xiao  
Session: The Energy-Water Nexus                                                                 | DLCC, 317         |
|          | – 9:00 AM  | 257e: On Multiparametric/Explicit NMPC for Quadratically Constrained Problems  
Nikolaos A. Diangelakis, Iosif Pappas, Efstratios N. Pistikopoulos  
Session: Advances in Process Control I                                                                 | DLCC, 408         |
|          | 12:30 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  
Session: Design, Analysis, and Optimization of Sustainable Energy Systems and Supply Chains I | DLCC, 317         |
|          | – 12:52 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  
Session: Industrial Applications in Design and Operations                                                                 | DLCC, 409         |
|          | 2:05 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  
Session: Continuous Processing Technologies Applied in Drug Substance Manufacturing II                                                                 | WCC, Somerset     |
|          | – 2:24 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  
Session: Data Driven Modeling and Decision Making                                                                 | DLCC, 410         |
### Group Presentation/Poster Schedule for AIChE 2018 (Cont’d)

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| 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  
_Session: Advances in Optimization Under Uncertainty_ | 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  
_Session: Developing Process Control Strategies for Drug Product Manufacture_ | WCC, Fayette   |
_Yuhe Tian_, M. Sam Mannan, Efstratios N. Pistikopoulos  
_Session: Process Intensification through Process Systems Engineering_ | 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  
_Session: Process Monitoring & Fault Detection_ | 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  
_Session: Modeling, Control, and Optimization of Manufacturing Systems_ | 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  
_Session: Process Design: Innovation for Sustainability_ | 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  
_Session: Design and Operations Under Uncertainty II_ | 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_  
_Session: Modeling, Control, and Optimization of Energy Systems_ | DLCC, 309      |

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