

### Group Presentation/Poster Schedule for AIChE 2017

Date	Time	Event	Location
Monday, October 30	8:00 AM – 8:25 AM	(61a) Overview of CAST Activities and Programming <b>Efstratios N. Pistikopoulos, Prodromos Daoutidis</b>	MCC, 103C
	12:49 PM – 1:08 PM	(170b) Dynamic Modeling and Explicit Model Predictive Control of Absorption of Hydrogen in a LaNi <sub>5</sub> Bed <b>Gerald S. Ogumerem, Efstratios N. Pistikopoulos, Iordanis Kesisoglou</b>	MCC, 103D
	3:40 PM – 4:05 PM	(209b) Modeling and Simulation – a Key Component in Enabling Process Intensification <b>David Sholl, Efstratios N. Pistikopoulos</b>	MCC, 101D
	4:05 PM – 4:30 PM	(209c) Modeling and Simulation Challenges for Process Intensification <b>Efstratios N. Pistikopoulos, David Sholl, M. M. Faruque Hasan, Salih E. Demirel, Yuhe Tian</b>	MCC, 101D
	3:15 PM – 4:45 PM <b>[Poster]</b>	(188m) A Multi-Parametric Bi-Level Optimization Strategy for Hierarchical Model Predictive Control <b>Styliani Avraamidou, Nikolaos A. Diangelakis, Efstratios N. Pistikopoulos</b>  (188w) Data-Driven Modeling and Optimization of an Ethane Steam Cracker <b>Burcu Beykal, Onur Onel, Efstratios N. Pistikopoulos</b>	MCC, Exhibit Hall B
Tuesday, October 31	<b>8:00 AM –10:30 AM</b>	<b>(300) Multiscale Systems Engineering I - In Honor of Professor Christodoulos A. Floudas (Invited Talks)</b>	MCC, 103C
	<b>12:30 PM – 3:00 PM</b>	<b>(300) Multiscale Systems Engineering II - In Honor of Professor Christodoulos A. Floudas (Invited Talks)</b>	MCC, 103C
	1:21 PM – 1:38 PM	(383d) Model Reduction and Approximation for Simultaneous Design, Control, and Scheduling <b>Justin Katz, Baris Burnak, Nikolaos A. Diangelakis, Efstratios N. Pistikopoulos</b>	MCC, 103D
Wednesday, November 1	9:03 AM – 9:24 AM	(461d) Derivation of Generalized Affine Decision Rules for Mixed Integer Linear, Quadratic and Nonlinear Adjustable Robust Optimization Problems By Multi-Parametric Programming <b>Styliani Avraamidou, Chao Ning, Fengqi You, Efstratios N. Pistikopoulos</b>	MCC, 103E
	4:23 PM – 4:40 PM	(625e) Fault Detection and Diagnosis of Continuous Processes Via Non-Linear Support Vector Machine Based Feature Selection <b>Melis Onel, Chris A. Kieslich, Yannis A. Guzman, Christodoulos A. Floudas, Efstratios N. Pistikopoulos</b>	MCC, 103F

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### Group Presentation/Poster Schedule for AIChE 2017 (Cont'd)

Date	Time	Event	Location
Thursday, November 2	8:00 AM – 8:19 AM	(664a) Maintenance Optimization-Based Survival Analysis for Optimal and Safer Operation: Cooling Tower Case Study <b>Prerna Jain</b> , Efstratios N. Pistikopoulos, M. Sam Mannan	MCC, 103E
	8:17 AM – 8:34 AM	(646b) Big Data Approach to Fault Detection, Diagnosis and Maintenance Optimization in Batch Processes <b>Melis Onel</b> , Chris A. Kieslich, Yannis A. Guzman, Efstratios N. Pistikopoulos	MCC, 103F
	9:28 AM – 9:50 AM	(658e) Robust Multi-Period and Multi-Objective Strategic Planning of Hydrogen Networks <b>Gerald S. Ogumerem</b> , William W. Tso, C. Doga Demirhan, Changkyu Kim, Efstratios N. Pistikopoulo,	MCC, 101E
	9:42 AM – 9:59 AM	(667g) Integration of Design, Scheduling and Control Under Uncertainty Via Model Based Multi-Parametric Programming <b>Baris Burnak</b> , Justin Katz, Nikolaos A. Dangelakis, Efstratios N. Pistikopoulos	MCC, 103D
	12:30 PM – 12:52 PM	(707a) Advancing the Production of Olefins and Aromatics from Natural Gas Via Methanol: Chemical Looping for Syngas Generation <b>William W. Tso</b> , C. Doga Demirhan, Alexander M. Niziolek, Onur Onel, Christodoulos A. Floudas, Efstratios N. Pistikopoulos	MCC, 200C
	2:00 PM – 2:18 PM	(730f) Process Synthesis and Global Optimization of Novel Ammonia Production Processes <b>C. Doga Demirhan</b> , William W. Tso, Efstratios N. Pistikopoulos	MCC, 101F/G

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