

Schedule for C. A. Floudas Group - AIChE 2016

Time-based order

[211f](#) Natural Gas to Liquid Transportation Fuels Utilizing Chemical Looping Technologies for Syngas Generation: Process Synthesis and Global Optimization

Monday, November 14, 2016: 4:50 PM

Van Ness (Hilton San Francisco Union Square)

William W. Tso, Alexander M. Niziolek, Onur Onel and Christodoulos A. Floudas

[222b](#) Molecular Modeling, Simulation and Structure Determination of Macrophage Inflammatory Proteins CCL3, CCL4, and CCL5 in Complex with CCR5

Monday, November 14, 2016: 3:30 PM

Yosemite A (Hilton San Francisco Union Square)

Melis Onel, Alexandra Koskosidis, Chris A. Kieslich, Phanourios Tamamis and Christodoulos A. Floudas

[228ed](#) Constrained Grey Box Global Optimization for Protein Structure Prediction

Monday, November 14, 2016

Grand Ballroom B (Hilton San Francisco Union Square)

Chris A. Kieslich, Melis Onel, Utkarsh Shah, Jason Souvaliotis, Fani Boukouvala and Christodoulos A. Floudas

[228ev](#) Novel Type-2 Diabetes Drug Design. Elucidating the GLP1R Recognition By GLP1

Monday, November 14, 2016

Grand Ballroom B (Hilton San Francisco Union Square)

Melis Onel, Chris A. Kieslich, Phanourios Tamamis and Christodoulos A. Floudas

[266d](#) Novel Optimization-Based Adaptive Sparse-Grid Methods for Integration and Approximation

Tuesday, November 15, 2016: 9:24 AM

Carmel I (Hotel Nikko San Francisco)

Fani Boukouvala, Chris A. Kieslich, Burcu Beykal and Christodoulos A. Floudas

315b Optimal Production of Light Olefins from Lignocellulosic Biomass (BTO): Process Synthesis and Global Optimization

Tuesday, November 15, 2016: 8:55 AM

Union Square 13 (Hilton San Francisco Union Square)

Onur Onel, Alexander M. Niziolek and Christodoulos A. Floudas

333c Big Data Approach to Fault Detection and Diagnosis in Batch Processes Using Nonlinear SVM-Based Feature Selection

Tuesday, November 15, 2016: 1:00 PM

Monterey I (Hotel Nikko San Francisco)

Melis Onel, Chris A. Kieslich, Yannis A. Guzman and Christodoulos A. Floudas

359b Scheduling with Batching Decisions and Energy Constraints for Steelmaking Continuous-Casting Production

Tuesday, November 15, 2016: 12:49 PM

Carmel II (Hotel Nikko San Francisco)

Wenjie Xu, Lixin Tang and Christodoulos A. Floudas

359d Improved Data-Driven Mathematical Modeling and Global Optimization Framework: An Application in Refinery Planning Operations

Tuesday, November 15, 2016: 1:27 PM

Carmel II (Hotel Nikko San Francisco)

C. Doga Demirhan, Fani Boukouvala, Kyungwon Kim, Hyeju Song and Christodoulos A. Floudas

374f Shale Gas to Light Olefins: Global Optimization of an Integrated NGL Recovery, Steam Cracking, and Methane Conversion Superstructure

Tuesday, November 15, 2016: 2:05 PM

Monterey II (Hotel Nikko San Francisco)

Onur Onel, Alexander M. Niziolek and Christodoulos A. Floudas

430d Production of Benzene, Toluene, and Xylenes from Natural Gas Via Methanol: A Process Synthesis and Global Optimization Approach

Tuesday, November 15, 2016: 4:12 PM

Monterey II (Hotel Nikko San Francisco)

Alexander M. Niziolek, Onur Onel and Christodoulos A. Floudas

456a Uncertainty Considerations for Surrogate Functions for Constrained

Grey-Box Optimization

Wednesday, November 16, 2016: 8:30 AM

Monterey I (Hotel Nikko San Francisco)

Fani Boukouvala, Yannis A. Guzman and Christodoulos A. Floudas

471h Natural Gas to Liquids, Olefins, and Aromatics Under Uncertainty in Feedstock and Product Prices

Wednesday, November 16, 2016: 10:43 AM

Carmel I (Hotel Nikko San Francisco)

Alexander M. Niziolek, Onur Onel, Logan R. Matthews, Yannis A. Guzman and Christodoulos A. Floudas

479c Nonlinear SVM-Based Feature Selection for Fault Detection and Diagnosis of Continuous Processes

Wednesday, November 16, 2016: 9:08 AM

Monterey II (Hotel Nikko San Francisco)

Chris A. Kieslich, Yannis A. Guzman, Melis Onel and Christodoulos A. Floudas

488c Biomass-Based Production of Benzene, Toluene, and Xylenes Via Methanol: Process Synthesis and Deterministic Global Optimization

Wednesday, November 16, 2016: 9:06 AM

Carmel II (Hotel Nikko San Francisco)

Alexander M. Niziolek, Onur Onel, Yannis A. Guzman and Christodoulos A. Floudas

492b Carbon Dioxide Utilization for the Production of Liquid Transportation Fuels: A Comprehensive Process Synthesis and Global Optimization Approach

Wednesday, November 16, 2016: 8:51 AM

Van Ness (Hilton San Francisco Union Square)

Joseph Costandy, Onur Onel, Alexander M. Niziolek and Christodoulos A. Floudas

540b Toward Optimal NGL Conversion to Olefins: Advances in Steam Cracking Optimization

Wednesday, November 16, 2016: 12:48 PM

Monterey II (Hotel Nikko San Francisco)

Onur Onel, Alexander M. Niziolek and Christodoulos A. Floudas

613h Global Optimization of Constrained Grey-Box Models for Well Injection and Production

Wednesday, November 16, 2016: 5:28 PM

Van Ness (Hilton San Francisco Union Square)

Burcu Beykal, Fani Boukouvala, Nadav Sorek, Hardikkumar Zalavadia, Eduardo Gildin and Christodoulos A. Floudas

635b Probabilistic Robust Optimization and *a Posteriori* Bounds

Thursday, November 17, 2016: 8:49 AM

Monterey I (Hotel Nikko San Francisco)

Yannis A. Guzman, Logan R. Matthews and Christodoulos A. Floudas

635c A Comparative Analysis of Robust Optimization and Scenario-Based Approaches for Optimization Under Uncertainty

Thursday, November 17, 2016: 9:08 AM

Monterey I (Hotel Nikko San Francisco)

Logan R. Matthews, Yannis A. Guzman and Christodoulos A. Floudas

636f Robust Optimization of Biomass and Natural Gas to Liquid Transportation Fuel Refineries: Process Synthesis Under Uncertainty in Feedstock and Product Prices

Thursday, November 17, 2016: 10:20 AM

Carmel I (Hotel Nikko San Francisco)

Logan R. Matthews, Yannis A. Guzman, Onur Onel, Alexander M. Niziolek and Christodoulos A. Floudas

703c Medium-Term Scheduling of Integrated Gasoline Blending and Delivery Operations Using Enhanced Rolling Horizon Decomposition Approach

Thursday, November 17, 2016: 1:08 PM

Carmel I (Hotel Nikko San Francisco)

Jie Li and Christodoulos A. Floudas

778d Process Synthesis of Natural Gas to Liquid Transportation Fuels Under Uncertainty: A Robust Optimization Approach

Friday, November 18, 2016: 1:36 PM

Golden Gate 6 (Hilton San Francisco Union Square)

Logan R. Matthews, Yannis A. Guzman, Onur Onel, Alexander M. Niziolek and Christodoulos A. Floudas