NAM25 PROGRAM OVERVIEW

June 5, 2017

MONDAY at a Glance

Opening and Welcome

8:00 AM — **Plenary Lecture: Houdry Award – *Jeff Bricker, UOP*** — **Centennial DE**

9:00 AM – 9:40 AM: Coffee Break

	Centennial A	Centennial BC	Centennial D	Centennial E	Centennial F	Centennial GH	Mineral ABC	Mineral DEF
9:40 AM	Novel Electrocatalysts	Support effects	Emission control: SCR	Furan Chemistry KEYNOTE **Dumesic** *11:20 AM*	Computation: C1 Chemistry	Fundamentals of Green Catalysis	In situ X-ray Spectroscopy	Catalysis for Syngas
12:00 PM – 1:30 PM: Lunch *(on own)*								
1:30 PM	Furan Chemistry	Photocatalysis	Emission Control: SCR	Carbohydrate Processing KEYNOTE **Dauenhauer** *2:30 PM*	Computational Catalysis	Fundamentals of Green Catalysis	Catalyst Characterization	Catalysis for Syngas
3:10 PM – 3:40 PM: Coffee Break								
3:40 PM	Furan Chemistry	Electrocatalytic CO2 Conversion KEYNOTE **Roldan Cuenya** *4:40 PM*	Emission Control: SCR	Carbohydrate Processing	Computational Catalysis	Fundamentals of Green Catalysis	Catalyst Characterization	Catalytic Technologies for Fossil Fuels KEYNOTE **Reynolds** *3:40 PM*

5:30 PM — **Poster Session** — **Capital Ballroom**

Biomass I Environmental Catalysis I Fine and Industrial Chemicals I Reaction Engineering

NAM25 DENVER MILE HIGH CATALYSIS

June 6, 2017

TUESDAY at a Glance

Plenary Lecture: Emmett Award – *Suljo Linic, University of Michigan*

8:00 AM — **Centennial DE**

9:00 AM – 9:40 AM: Coffee Break

	Centennial A	Centennial BC	Centennial D	Centennial E	Centennial F	Centennial GH	Mineral ABC	Mineral DEF
9:40 AM	Emission Control: NOx Processing	Single Sites Catalyst Design	Environmental Catalysis KEYNOTE **Li** *10:20 AM*	Alcohol and Aldehyde Processing	Hydrodeoxygenation and Vapor Phase Upgrading	Fundamentals of Hydrocarbon Catalysis	Catalyst Characterization KEYNOTE **Schloegl** *9:40 AM*	Catalytic Technologies for Fossil Fuels KEYNOTE **Kelkar** *11:20 AM*
12:00 PM – 1:30 PM: Lunch *(on own)*								
1:30 PM	Industrial and Fine Chemicals	Single Sites Catalyst Design	Emission control: SCR KEYNOTE **Skoglundh** *2:30 PM*	Alcohol and Aldehyde Processing	Hydrodeoxygenation and Vapor Phase Upgrading	Fundamentals of Hydrocarbon Catalysis	Electrocatalytic CO2 Conversion	Catalytic Technologies for Fossil Fuels
3:10 PM – 3:40 PM: Coffee Break								
3:40 PM	Industrial and Fine Chemicals	Single Sites Catalyst Design	Environmental: Catalytic Oxidation	Surface Science KEYNOTE **Friend** *3:40 PM*	Hydrodeoxygenation and Vapor Phase Upgrading	Fundamentals of Hydrocarbon Catalysis	Photocatalysis	Gas-to-Liquids

5:30 PM — **Poster Session** — **Capital Ballroom**

Characterization I Fossil Energy I Fundamentals

NAM25 DENVER MILE HIGH CATALYSIS

June 7, 2017

WEDNESDAY at a Glance

Plenary Lecture: Boudart Award – *Bruce Gates, University of California, Davis*

8:00 AM — **Centennial DE**

9:00 AM – 9:40 AM: Coffee Break

	Centennial A	Centennial BC	Centennial D	Centennial E	Centennial F	Centennial GH	Mineral ABC	Mineral DEF
9:40 AM	Industrial and Fine Chemicals KEYNOTE **Chandler** *9:40 AM*	Core-Shell Nanoparticles	Emission Control: NOx Processing	Alcohol and Aldehyde Processing	Hydrodeoxygenation and Vapor Phase Upgrading	Catalysis for Fuel Cells KEYNOTE **Janik** *11:20 AM*	In-situ Microscopy	Dehydrogenation KEYNOTE **Hart** *10:40 AM*
12:00 PM – 1:30 PM: Lunch *(on own)*								
1:30 PM	Industrial and Fine Chemicals	Catalytic Nanoparticle Design	Environmental: Catalytic Oxidation	Upgrading of Carboxylic Acids, Ketones, and Esters	Catalysis for Fuel Cells	Computational Catalysis KEYNOTE **Schneider** *1:30 PM* KEYNOTE **Kitchin** *2:30 PM*	Transient Kinetics	Gas-to-Liquids
3:10 PM – 3:40 PM: Coffee Break								
3:40 PM	Industrial and Fine Chemicals	Catalytic Nanoparticle Design	Environmental: Catalytic Oxidation	Upgrading of Carboxylic Acids, Ketones, and Esters	Photocatalysis	Surface Science	Transient Kinetics	Gas-to-Liquids

5:30 PM — **Poster Session** — **Capital Ballroom**

Design and Synthesis I Electrocatalysis and Photocatalysis I Theory and Computation

NAM25 DENVER MILE HIGH CATALYSIS

June 8, 2017

THURSDAY at a Glance

	Centennial A	Centennial BC	Centennial D	Centennial E	Centennial F	Centennial GH	Mineral ABC	Mineral DEF
8:00 AM	Computation: Morphology Effects KEYNOTE **Fu** *9:00 AM*	Catalytic Nanoparticle Design KEYNOTE **Soled** *8:20 AM*	Environmental: Catalytic Oxidation	Hydrodeoxygenation and Vapor Phase Upgrading	Microporous Materials	Surface Science	In situ Vibrational Spectroscopy	Gas-to-Liquids
9:40 AM – 10:20 AM: Coffee Break								
10:20 AM	Reaction Engineering	Multifunctional Materials	Catalyst Poisoning and Deactivation	Lignin Deconstruction	Microporous Materials	Computational Catalysis	In situ Vibrational Spectroscopy	Gas-to-Liquids
12:00 PM – 1:30 PM: Lunch *(on own)*								
1:30 PM	Reaction Engineering	Zeolite Catalyst Design KEYNOTE **Ryoo** *1:30 PM*	Environmental: CO2 conversion KEYNOTE **Chen** *2:30 PM*	MOFs	Computational Studies of Microporous Materials	Fundamentals of Catalysis: Theoretical Studies	Upgrading of Carboxylic Acids, Ketones, and Esters	Gas-to-Liquids
3:10 PM – 3:40 PM: Coffee Break								
3:40 PM	Reaction Engineering KEYNOTE **West** *3:40 PM*	Surface Modification	Environmental: CO2 Conversion	Zeolite Catalyst Design	Computational Studies of Microporous Materials	Fundamentals of Catalysis: Combined Computation and Experiment	Upgrading of Carboxylic Acids, Ketones, and Esters	Catalysis for Hydrocarbon Conversion

7:00 PM – 10:00 PM **Closing Banquet** **Centennial Ballroom**

NAM25 DENVER

June 9, 2017

FRIDAY at a Glance

	Centennial A	Centennial BC	Centennial D	Centennial E	Centennial F	Centennial GH
8:00 AM	Materials for Environmental Catalysis	Reaction Engineering	Catalyst Poisoning and Deactivation	Chemical Catalysis for Bioenergy Consortium: Stakeholder Listening Day	Computation: New Approaches	Hydroprocessing
9:40 AM – 10:20 AM: Coffee Break					**Coffee Break**	
10:20 AM	Materials for Environmental Catalysis	Surface Science	Catalyst Poisoning and Deactivation		Computation: New Approaches	Catalysts for Refining