MONDAY at a Glance

7:45 AM — **Opening and Welcome**

8:00 AM — **Plenary Lecture: Houdry Award - Giuseppe Bellussi** — Ballroom A

Coffee Break: 9:00 AM – 9:40 AM

	Ballroom A	Ballroom B	Combs Chandler	French	Jones	Segell
9:40 AM	Biomass Conversion to Chemicals I	KEYNOTE Somorjai *9:40 AM*	Catalyst Deactivation I	KEYNOTE Bricker *9:40 AM*	Electro-Catalysis I	Advances in Computational Catalysis I
		Catalyst Design & Synthesis I		Catalysis for Petrochemicals I		
Lunch: 12:00 PM – 1:30 PM						
1:30 PM	Biomass Conversion to Chemicals II	Catalyst Design & Synthesis II	KEYNOTE Jackson *1:30 PM*	Catalysis for Petrochemicals II	Electro-Catalysis II	KEYNOTE Sautet *1:30 PM*
			Catalyst Deactivation II			Advances in Computational Catalysis II
Coffee Break: 3:10 PM – 3:40 PM						
3:40 PM	KEYNOTE Fukuoka *3:40 PM*	Catalyst Design & Synthesis III	Catalyst Deactivation III	Catalysis for Fine & Industrial Chemicals I	KEYNOTE Strasser *3:40 PM*	Advances in Computational Catalysis III
	Biomass Conversion to Chemicals III				Electro-Catalysis III	

Poster Session
5:30 PM – 8:00 PM

Ballroom C: Catalyst Design & Synthesis I
Ballroom C: Computational Catalysis I
Ballroom C: Energy & Sustainability I
Clements: Fundamentals of Catalysis I
Willis: Chemicals I

23rd NAM
Catalysis on the Fast Track

TUESDAY at a Glance

8:00 AM **Plenary Lecture: Emmett Award - Christopher W. Jones** Ballroom A

Coffee Break: 9:00 AM – 9:40 AM

	Ballroom A	Ballroom B	Combs Chandler	French	Jones	Segell
9:40 AM	Biomass Conversion to Chemicals IV	KEYNOTE Soled *9:40 AM* Catalyst Design & Synthesis IV	KEYNOTE Broadbelt *9:40 AM* Advances in Reaction Engineering: Processes	Catalysis for Fine and Industrial Chemicals II	Electro-Catalysis: CO_2 Reduction	Fundamentals of Catalysis: Support Effects

Lunch: 12:00 PM – 1:30 PM

1:30 PM	KEYNOTE Armor *1:30 PM* Biomass Conversion to Fuels I	Catalyst Design & Synthesis V	Advances in Reaction Engineering: Catalysts & Reactor Design I	Catalysis for Fine and Industrial Chemicals III	Electro-Catalysis: Oxygen Reduction Reaction	Fundamentals of Catalysis: Reaction Pathways

Coffee Break: 3:10 PM – 3:40 PM

3:40 PM	Biomass Conversion to Fuels II	Catalyst Design and Synthesis: Gold	Advances in Reaction Engineering: Catalysts & Reactor Design II	Hydrogenation	CO_2 Conversion	KEYNOTE Gellman *3:40 PM* Fundamentals of Catalysis: Tailoring Catalytic Materials

Poster Session
5:30 PM – 8:00 PM

Ballroom C: Catalyst Design & Synthesis II
Ballroom C: Computational Catalysis II
Ballroom C: Energy & Sustainability II
Clements: Fundamentals of Catalysis II
Willis: Chemicals II

23rd NAM
Catalysis on the Fast Track

Wednesday at a Glance

8:00 AM **Plenary Lecture: Boudart Award - Jens K. Nørskov** Ballroom A

Coffee Break: 9:00 AM – 9:40 AM

	Ballroom A	Ballroom B	Combs Chandler	French	Jones	Segell
9:40 AM	Biomass Conversion to Fuels III	KEYNOTE Bell *9:40 AM* Catalyst Design and Synthesis Zeolites I	Advances in Reaction Engineering: Catalysts & Reactor Design III	Oxidation I	Catalyst Characterization: Imaging	Fundamentals of Catalysis: Structure-Function Relationships

Lunch: 12:00 PM – 1:30 PM

1:30 PM	Biomass Conversion to Fuels IV	Catalyst Design and Synthesis Zeolites II	Emission Control: NO Oxidation	Oxidation II	KEYNOTE Gates *1:30 PM* *In situ* and *Operando* Characterization I	Fundamentals of Catalysis: Solvent Effects

Coffee Break: 3:10 PM – 3:40 PM

3:40 PM	Water-Gas-Shift Reaction	Catalyst Design and Synthesis Zeolites III	Emission Control: NO_X Traps	KEYNOTE Hutchings *3:40 PM* Oxidation III	*In situ* and *Operando* Characterization II	KEYNOTE Campbell *3:40 PM* Fundamentals of Catalysis: Mechanisms & Elementary Steps I

Poster Session
5:30 PM – 8:00 PM

Ballroom C: Catalytic Reaction Engineering
Ballroom C: Catalyst Deactivation and Regeneration
Ballroom C: Energy & Sustainability III
Clements: Novel Characterization
Willis: Chemicals III

23rd NAM
Catalysis on the Fast Track

Thursday at a Glance

	Ballroom A	Ballroom B	Combs Chandler	French	Jones	Segell
8:00 AM	KEYNOTE van Steen *8:00 AM*	Catalyst Design and Synthesis: Oxides I	Emission Control: Novel Approaches to SCR	C-C Bond Formation I	*In situ* and *Operando* Characterization III	KEYNOTE Sauer *8:00 AM*
	Fischer-Tropsch Synthesis I					Fundamentals of Catalysis: Mechanisms and Elementary Steps II
Coffee Break: 9:40 AM - 10:20 AM						
10:20 AM	Fischer-Tropsch Synthesis II	Catalyst Design and Synthesis: Oxides II	Emission Control: NH_3 SCR I	C-C Bond Formation II	KEYNOTE Miller *10:20 AM*	Fundamentals of Catalysis: Mechanisms and Elementary Steps III
					In situ and *Operando* Characterization IV	
Lunch: 12:00 PM – 1:30 PM						
1:30 PM	Fischer-Tropsch Synthesis III	Catalyst Design and Synthesis: Precious Metals I	KEYNOTE Ribeiro *1:30 PM*	C-C Bond Formation III	Novel Catalyst Characterization Techniques I	Fundamentals of Catalysis I
			Emission Control: NH_3 SCR II			
Coffee Break: 3:10 AM -3:40 PM						
3:40 PM	Reforming I	Catalyst Design and Synthesis: Precious Metals II	Emission Control I	KEYNOTE Hermans *3:40 PM*	Novel Catalyst Characterization Techniques II	Fundamentals of Catalysis II
				Green Processes through Catalysis I		

Reception & Banquet
6:00 PM – 9:00 PM

23rd NAM
Catalysis on the Fast Track

Friday at a Glance

	Ballroom A	Ballroom B	Combs Chandler	French	Jones	Segell
8:00 AM	Reforming II	Photocatalysis I	Emission Control II	KEYNOTE Li *8:00 AM* Green Processes Through Catalysis II	Novel Catalyst Characterization Techniques III	HDO for Bio-derivatives I
Coffee Break : 9:40 AM - 10:20 AM						
10:20 AM	Reforming III	Photocatalysis II	Hydrotreating	Green Processes Through Catalysis III	Catalysts for Fischer-Tropsch	HDO for Bio-derivatives II

End of Technical Program