



2019 GPCS SPRING SYMPOSIUM

Time	RF Lobby	Auditorium	Lecture Hall
7:00 - 8:10	Registration Breakfast		
8:10 - 8:30		Safety moment: Anthony Baldrige (Phillips 66) GPCS & Phillips 66 Welcome: Keith Hohn (Kansas State University, GPCS President) and Ann Oglesby (VP Technology, Phillips 66)	
8:30 - 9:10		Plenary presentation (1): "Tackling CO2 Issues by Chemical Conversion and by Reducing CO2 Emission", Jingguang Chen (Columbia University, president of NACS). Plenary Chairs: Keith Hohn (Kansas State University) and Anthony Baldrige (Phillips 66)	
9:10 - 9:30	Coffee break		
		Session B1 Chairs: Luke Roling (Iowa State University) and Matt Wulfers (Phillips 66)	Session A1 Chairs: Steven Crossley (University of Oklahoma) and James Suttill (Phillips 66)
9:30 - 10:00		Keynote 3: "Upgrading Renewable Oxygenates: Oxo-Metal Catalyzed Deoxygenation and Coupling of Alcohols", Kenneth M. Nicholas (University of Oklahoma)	Keynote 1: "Research focus areas for innovation in the energy industry", Dewayne Black (Sr Fellow and Mgr. Innovation & Research, Phillips 66)
10:00 - 10:20		Speaker 1B: "Metallocene Catalysts in Polyethylene Synthesis", Qing Yang (Research Fellow ChevronPhillips)	Speaker 1A: "First-principles modeling of hot-carrier-assisted hydrogenation", Tong Mou (University of Oklahoma)
10:20 - 10:40		Speaker 2B: "Solvent-mediated charge separation drives alternative hydrogenation path of furanics in liquid water", Mohammed Reda Bababrik (University of Oklahoma)	Speaker 2A: "Structure-activity and modeling study of nanostructured ceria for catalytic disproportionation of hydrogen peroxide", Tamra Fisher (University of Nebraska)
10:40 - 11:00		Speaker 3B: "Oxidation of Sugar/Polyols in Aqueous Solution on Pt Based Catalysts", Honghong (Crystal) Shi (University of Kansas)	Speaker 3A: "Oxygen reduction reaction over Pt-supported vertically aligned carbon nanofiber", Jiayi Xu (Kansas State University)
11:10 - 11:50		Plenary presentation (2): "New Paradigms in the Design of Zeolite Catalysts", Jeffrey D. Rimer (University of Houston). Plenary Chairs: Bala Subramaniam (University of Kansas) and Kamyar Keyvanloo (Phillips 66)	
12:00 - 13:00	Lunch (Cafeteria) Poster set up		
13:00 - 14:00	Poster session		
		Session B2 Chairs: Placidus B. Amama (Kansas State University) and Tu Pham (Phillips 66)	Session A2 Chairs: Bin Wang (University of Oklahoma) and Anthony Baldrige (Phillips 66)
14:00 - 14:30		Keynote 4: "Brønsted Acid Site Heterogeneity and Concomitant Brønsted-Brønsted Synergies in Zeolites", Jeffery L. White (Oklahoma State University)	Keynote 2: "Renewable Fuels - Trends and Technology", Henrik Rasmussen (Vice President Catalyst & Technol. Sales, Haldor Topsoe, Inc.)
14:30 - 14:50		Speaker 4B: "Insights into Pt/hBN catalysts for syngas production", Leonardo David Garro Mena (Kansas State University)	Speaker 4A: "MoO _x Modified Ni Catalysts with Unique Properties for Vapor Phase Hydrodeoxygenation of m-Cresol", Feifei Yang (University of Oklahoma)
14:50 - 15:10		Speaker 5B: "ME-DRIFTS Studies Of Single Site Cobalt Supported on Alumina Catalysts for Ethanol Dehydration Reaction", Priya D. Srinivasan (University of Kansas)	Speaker 5A: "Selective Electro-Hydrogenation of Biobased Platform Chemicals", Marco Dell'anna (Iowa State University)
15:10 - 15:40		Speaker 6B: "Pd/C Catalysts with tailored metal-support interactions", Hamed Bateni (Iowa State University)	Speaker 6A: "Sequential valorization of lignin through ozonolysis and catalytic processing", Julian Silverman (University of Kansas)
15:40 - 16:00	Coffee break		
16:00 - 16:45		GPCS Award ceremony and Plenary presentation (3). "Robust Strategies for the Development of Biobased Chemicals", Brent H. Shanks (Iowa State University). Plenary Chairs: Daniel Resasco (University of Oklahoma) and Kamyar Keyvanloo (Phillips 66)	
16:45 - 17:00		Concluding remarks: Keith Hohn (Kansas State University, GPCS President)	



Northern OK Section