



Chemical Engineering

Fall 2024 Seminars

Friday, November 22, 2024

3:00pm, 66-110

Designing Microporous Catalysts to Overcome Material and Reaction Limitations



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Michele L. Sarazen is an Assistant Professor in the Department of Chemical and Biological Engineering at Princeton University. Her research group couples synthetic, kinetic, and theoretical investigations of porous crystalline materials as catalysts and adsorbents for sustainable fuel and chemical production with an emphasis on reaction and deactivation mechanisms. She earned her BS in Chemical Engineering, summa cum laude, at the Pennsylvania State University and her PhD in Chemical Engineering from the University of California, Berkeley. Before arriving at Princeton, she was a postdoctoral fellow at the Georgia Institute of Technology. Her recognitions include the NSF CAREER Award, AIChE 35 under 35, ICC Young Talent Laureate, Howard B. Wentz, Jr. Junior Faculty Award, National Academy of Engineering Frontiers of Engineering, The Catalysis Review “Mover and Shaker”, and MSDE Outstanding Early Career Paper Award. She has served as a Division Director and D&I Task Force member for AIChE in Catalysis and Reaction Engineering, Director of the Catalysis Society of Metropolitan New York, Early Career Board member for Journal of Catalysis and Applied Catalysis A, and ACS CATL Division Program Chair.

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