



MIT ChemE

Spring 2025 Seminars

Thursday, January 30, 2025
4:15pm, 66-110

Andrew Hwang, University of California, Berkeley
Dioxygen Activation in Surface Catalysis

Thursday, February 6, 2025
4:15pm, 66-110

Pamela Cai '16, University of Chicago
Biopolymer Physics in Health and Sustainability

Thursday, February 13, 2025
4:15pm, 66-110

Kyra Yap, Stanford University
Designing Electrochemical Solar Fuels to Operate in Variable

Thursday, February 20, 2025
4:15pm, 66-110

Fernando Temprano-Coleto, Princeton University
Surfactants, Colloids, and Electrolytes: Complex Fluids for Energy and the Environment

Monday, February 24, 2025
4:15pm, 66-110

Rachel Yang, University of Michigan
Unravelling Structure-function Relationships Through Kinetic & Spectroscopic Assessments for Sustainable, Atom-efficient Chemical Processes

Friday, March 7, 2025
3:00pm, 66-110

Benny Freeman, University of Texas, Austin
Ion Solubility, Diffusivity, & Transport in Charged Polymer Membranes

Friday, March 21, 2025
3:00pm, 66-110

Lilo D. Pozzo, University of Washington
AI-Driven Experiments and Open-Source Automation for Accelerated Soft Matter Research

Friday, April 4, 2025
3:00pm, 66-110

Ali Mesbah, University of California, Berkeley
A Multiscale Systems Approach to Atomic-Scale Low-Temperature Plasma Processes

Friday, April 11, 2025
3:00pm, 66-110

Amy E. Herr, University of California, Berkeley
Design of Microanalytical Tools to Understand Single-cell Biology

Friday, April 18, 2025
3:00pm, 66-110

Chibueze Amanchukwu PhD '17, University of Chicago
Innovating in – and Learning from – Battery Science to Address Challenges in Electrochemistry

Friday, April 25, 2025
3:00pm, 66-110

Curtis Berlinguette, University of British Columbia
Reactive Carbon Capture

Friday, May 2, 2025
3:00pm, 66-110

Alan S. Michaels Lecture
Christina Smolke, Co-Founder & CEO, Antheia, Inc.
From Benchtop to Breweries: How Whole-cell Synthetic Biochemistry is Transforming Essential Medicine Supply Chains

Friday, May 9, 2025
3:00pm, 66-110

Warren K. Lewis Lecture
Juan De Pablo, EVP for Global Science and Technology and Executive Dean, Tandon School of Engineering, NYU
AI-enabled Design of Sustainable Polymeric Materials
Technical Lecture (5/8, 4pm, 66-110)