

JAMES R. FAIR PROCESS SCIENCE & TECHNOLOGY CENTER



Spring 2025 Meeting - Monday, April 28th

The University of Texas at Austin, Commons Conference Center
Balcones Room

A G E N D A

8:00 Water Treating	
Membrane Technologies for Resource Recovery from Wastewater Streams	Lynn Katz
8:30 Adsorption Processes	
Adsorption Processes and Adsorbent Materials Research at USC	Jim Ritter
9:00 Process Electrification	
Electrified Distillation Processes	Michael Baldea
9:30 Novel Materials	
Microporous Materials and Polymeric Membranes for Low Energy Separations	Kurtis Carsch
10:00 BREAK	
10:15 Post-combustion CO2 Capture	
Post combustion CO2 Capture with Amine Solvents	Gary Rochelle Fred Closmann
10:45 Novel Reactor Design	
Electromagnetic Heating for High Temperature Reaction Processes	Mark Barteau
11:15 Chemical Separations	
Facilitated Transport Membranes for Olefin/ Paraffin Separation	Benny Freeman
11:45 Artificial Intelligence for the Process Industry	
Automating Distillation Column Operations through Imitation and Reinforcement Learning	Roberto Martin-Martin Brad Knox
12:15 Catered Box Lunch	
PSTC / SRP Update	Bruce Eldridge
1:00 Road Mapping Workshop	
4:00 Adjourn	