

JAMES R. FAIR PROCESS SCIENCE & TECHNOLOGY CENTER
University of Texas at Austin
PSTC Fall Meeting, October 16-17, 2018

Tuesday, October 16, 2018 PRC Commons, Room 1.138

8:30 am

Welcome and Introduction	Bruce Eldridge
Controlling Trace Impurities in a Dividing Wall Distillation Column	Melissa Donahue
Computational Fluid Dynamics (CFD) Modeling of Simplified Structured Packing Geometries	Mikey Phan
Investigation of Mass Transfer with Computational Fluid Dynamics	Luke Macfarlan

9:45 am Break

10:00 am

Equation-oriented Optimization of Amine-based Carbon Capture Processes	Michael Baldea Calvin Tsay
Transitioning from Batch to Continuous Production	Joseph Costandy

11:00 am

SRP Pilot Plant Update	Frank Seibert Frank Seibert
Oil/Water Separations Using Novel Membrane Process	Frank Seibert
Capacity Limitations of Sieve Tray Extractors	Frank Seibert
SRP Databases and Computer Programs	Frank Seibert

12:15 am Catered Lunch, Room 1.138

1:15 pm

Overview of Research Activities Related to Membrane Separations	Benny Freeman Josh Moon
Gas Transport Properties of Blends Containing Polybenzimidazoles	Josh Moon
Gas Transport Properties of Thin Polybenzimidazole Films	Melanie Merrick
Gas Separation Properties of Graphene Oxide-Based Membranes	Jaesung Park
Membrane Pilot Scale Manufacturing Facility	Alec Bridge
Improved Fouling Model Development	Alon Kirschner

3:15 pm Break

3:30 pm

Introduction to the Carbon Management Project	Gary Rochelle Gary Rochelle
Pilot Plant Results with Piperazine	Gary Rochelle & Eric Chen
Stripper Modeling for Amine Scrubbing	Joe Selinger

4:45 pm Adjourn

8:30 am

Brief Overview of Adsorption Process and Adsorbent Materials Research at USC **James A. Ritter**

More In-Depth Review of Several Ongoing PSA and TSA Projects

James A. Ritter

9:30 am *Adjourn*