

**JAMES R. FAIR PROCESS SCIENCE & TECHNOLOGY CENTER**  
**University of Texas at Austin**  
**PSTC Fall Meeting, October 17-18, 2017**

**Tuesday, October 17, 2017 PRC Commons, Room 1.138**

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**8:30 am**

Welcome and Introduction	<b>Bruce Eldridge</b>
Optimization of Dividing Wall Columns	Bruce Eldridge
Reactive Distillation in a Dividing Wall Column	Jeff Weinfeld
Experimental Studies Controlling a Dividing Wall Distillation Column	Melissa Donahue
Computational Fluid Dynamics (CFD) Modeling of Simplified Structured Packing Geometries	Mikey Phan

**10:30 am Break**

**10:45 am**

Overview of Research Activities Related to Membrane Separations	<b>Benny Freeman</b>
Gas Transport Properties of Blends Containing Polybenzimidazoles	Josh Moon
Gas Separation Properties of Graphene Oxide-Based Membranes	Jaesung Park

**11:45 am Catered Lunch, Room 1.210**

**1:00 pm**

Olefin/Paraffin Separation with Membranes	Constanza Miguel Sanchez
Surface Modification of Membranes to Improve Fouling Resistance	Yu-Heng Cheng

**2:00 pm Break**

**2:15 pm**

SRP Overview	<b>Frank Seibert</b>
Modeling Mass Transfer Performance of Packings	Di Song

**3:30 pm**

Introduction to the Carbon Management Project	<b>Gary Rochelle</b>
CO <sub>2</sub> Capture Pilot Plant Activities	Eric Chen
Piperazine Oxidation	Paul Nielson

**5:00 pm Adjourn**

**Wednesday, October 18, 2017 PRC Commons, Room 1.138**

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**8:30 am PSTC Business Meeting**

**Bruce Eldridge**

**9:30**

Overview of Adsorption Process and Adsorbent Materials Research at USC  
Review of Several Ongoing PSA and TSA Projects

**James A. Ritter**  
James A. Ritter

**10:45 am**

Design of Dividing-Wall Columns Accounting for Vapor Split Uncertainty

**Michael Baldea**  
Calvin Tsay

***11:30 am Adjourn***