Tuesday, October 15, 2019 EER Building, Room 3.640/3.642

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
Exciting News in Major DOE Support for Our Carbon Management Research
Gary Rochelle

CO₂ Absorption from Gas Turbine Flue Gas by Aqueous Piperazine with Intercooling
Tianyu Gao

Corrosion by Aqueous Piperazine at 40-150 °C in Pilot Testing of CO₂ Capture
Ching-Ting Liu

10:35 am Break

10:45 am
SRP Pilot Plant Update
Frank Seibert

Enhancing Drop Coalescence for Increased Extractor Capacity
Frank Seibert

SRP Databases and Computer Programs
Frank Seibert

SRP Membrane Process for Oil/Water Separations
Frank Seibert

Removal of Volatile Organics from Drinking Water
Carolyn Cooper

12:30 pm Catered Lunch Presentation

Bioinspired Membranes with Narrow Pore Size Distributions for Industrial Separations
Manish Kumar

1:30 pm
PSTC Overview
Bruce Eldridge

Transitional Flow Observations in Simplified Structured Packing Geometries Using CFD
Mikey Phan

Lab-Scale Reactive Distillation Studies for a Reactive Dividing Wall Column
Jeff Weinfeld

2:30 pm
Dynamic Intensification of a Ternary Distillation Column
Lingqing Yan

3:00 pm Break

3:15 pm
Developing Robust Double Network Based Membranes for Water and Energy Applications
Rahul Sujanani

Design and Scale-Up of High Performance Gas Separation Membranes for Commercial Applications
Alec Bridge

Gas Transport Properties of PDMS-coated Commercial Reverse Osmosis Membranes
Jaesung Park

5:15 pm Adjourn