

Membrane Science, Engineering and Technology Center
Research Project Poster Presentation Schedule:
Sunday, November 4, 2018
University of Colorado

Active Projects: 5-minute oral reports for each current research project will be presented in the following order, allowing 5 minutes for discussion and questions after the presentation.

1. Mapping Membrane Tortuosity Using High Throughput 3D Nanoparticle Tracking **Project 18-2**

Faculty:	Dan Schwartz	CU Chemical Engineering
Graduate Student:	Yu Cai	CU Chemical Engineering

2. Novel Fouling Resistant Polymeric Membranes Fabricated Using Atomic And Molecular Layer **Project 18-3**

Faculty:	Victor Bright	CU Mechanical Engineering
	Steve George	CU Chemistry
	Alan Greenberg	CU Mechanical Engineering
Graduate Student:	Brian Welch	CU Chemistry
	Olivia McIntee	CU Mechanical Engineering

3. Integrated Solar Seawater Splitting for Hydrogen Production via Photovoltaic Electrolysis and Air Gap Membrane Desalination **Project #18-4**

Faculty:	Wen Zhang	NJIT Civil Engineering
	Kamalesh Sirkar	NJIT Chemical Engineering
Graduate Student:	TBD	TBD

4. Understanding Virus Prefilters **Project #18-5**

Faculty:	Ranil Wickramasinghe	UA Chemical Engineering
	Xianghong Qian	UA Chemical Engineering
	Andrew Zydney	PSU Chemical Engineering
Graduate Student:	Raheleh Daneshpour	UA Chemical Engineering

5. Membrane Filtration for Wastewater Treatment **Project #17-7**

Faculty:	Ranil Wickramasinghe	UA Chemical Engineering
	Xianghong Qian	UA Biomedical Engineering
	Marty Matlock	UA Biological Engineering
Graduate	Zahra Anari	UA Chemical Engineering

6. Novel Nanofiltration Membranes for Isolation of Pharmaceutical Compounds **Project #17-6**

Faculty:	Kamalesh Sirkar	NJIT Chemical Engineering
Post-Doctoral Researcher:	John Chau	NJIT Chemical Engineering

7. Robustness of Virus Clearances between Resin and Membrane Chromatography **Project #18-1**

Faculty:	Xianghong Qian	UA Biomedical Engineering
Graduate Student:	TBD	

Note: Information presented from these projects is considered to be proprietary in nature, and the terms of center membership apply.