



American Membrane Technology Association

1973-2023 | 50 YEARS

Emerging Issues, Challenges and Innovations in the Membrane Industry

ITHACA, NY
OCTOBER
4-5, 2023



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TUESDAY, OCTOBER 3, 2023

3:00 - 5:00 pm Exhibitor Set-Up and Registration Open

WEDNESDAY, OCTOBER 4, 2023

8:15 am Introduction and Opening Remarks
Brent Alspach, Arcadis

SESSION 1 - MEMBRANE MATERIALS

Moderator: *Brent Alspach, Arcadis*

Time: 8:30 - 10:00 am

8:30 am The Dawn of Chlorine-Tolerant RO Membranes
Sue Mecham, NALA Membranes

9:00 am Addressing an Increasingly Critical Challenge: The Use of Sustainable Solvents in UF Membrane Fabrication
Xiaobo 'Max' Dong, Cytiva

9:30 am NF/RO Membrane Leachates and Their Fate in Water Treatment: DBP Formation and Permeation
Alma Beciragic, Arcadis

SESSION 2 - NEXT GENERATION CONTAMINANTS

Moderator: *Greg Madden, H₂O Innovation*

Time: 10:30 am - 12:00 pm

10:30 am The Microplastics Maelstrom: Membrane Rejection or Reservoir
Brent Alspach, Arcadis

11:00 am The Specter of PFAS: Combating PVDF Bans Across the Globe
Thomas Lebeau, DuPont Water Solutions

11:30 am PVDF-PFAS Panel Discussion and Audience Feedback
Thomas Lebeau, DuPont Water Solutions
Ben Movahed, WATEK Engineering Corporation
John Tonner, American Membrane Technology Association
Sean Carter, Toray Membrane USA, Inc.

SESSION 3 - Facility Tour

Moderator: *Greg Madden, H₂O Innovation*

Time: 1:00 - 5:00 pm

1:00 pm Facility Overview - Ithaca Filtration Plant
Ben Movahed, WATEK Engineering Corporation

1:30 pm Load Bus

1:45 pm Travel to City of Ithaca Water Treatment Plant

2:00 pm Tour Ithaca Filtration Plant

3:30 pm Travel to Hotel

3:45 pm Arrive back at Hotel

4:15 pm Travel to Networking Event

5:00 - 7:00 pm Networking Event - Liquid State Brewing Company

THURSDAY, OCTOBER 5, 2023

SESSION 4 - MEMBRANE BIOREACTORS

Moderator: *Ben Movahed*, WATEK Engineering Corporation

Time: 8:30 - 10:00 am

- 8:30 am** **A New York MBR Story**
Anthony Zamarro, CDM Smith
- 9:00 am** **Advanced Recovery and Reuse of Beverage Facility Wastewater**
Craig Duvall, Veolia Water aTechnologies & Solutions
- 9:30 am** **Troubleshooting MBR Process Upsets in Landfill Leachate Treatment**
Frank DeOrio, US Water Corp.

SESSION 5 - WASTE DISCHARGE CHALLENGES

Moderator: *Julie Nemeth-Harn*, Komline-Harn

Time: 10:30 am - 12:00 pm

- 10:30 am** **Enhanced Phosphate Removal Using Membranes**
Dan Hugaboom, Carollo Engineers
- 11:00 am** **Full-Scale Implementation of Closed-Circuit Desalination to Reduce Discharge Flows**
Christian Sanders, CDM Smith
- 11:30 am** **Managing PFAS in NF Concentrate - Lessons Learned from Greensboro, NC**
Katie Walker, HDR, Inc.

SESSION 6 - MEMBRANE INNOVATIONS FROM THE FOOD AND BEVERAGE INDUSTRY

Moderator: *Greg Wetterau*, CDM Smith

Time: 1:00 - 2:45 pm

- 1:00 pm** **Membrane Research in Cornell's Food Science Program**
Carmen Moraru, Cornell University
- 1:30 pm** **Reducing Carbon Footprint Using Anaerobic MBR**
Brian Healy, Global Water and Energy
- 2:00 pm** **The Sugar Concentration with NF Membranes - From the Maple Syrup Industry to the Brewing**
Matthieu Fortier, H₂O Innovation
- 2:30 pm** **Workshop Wrap-Up**
Brent Alspach, Arcadis
Greg Wetterau, CDM Smith

3:00 - 6:00 AMTA Board Meeting