

# CAROLLO ENGINEERS – TECHNICAL PRESENTATIONS

## ACE 2024 – ANAHEIM, CA

### ❖ MONDAY, JUNE 10

11:30 am **What, Why, and How of Connecting Data?** (PCW04) *Speaker: Pierre Mishra*

### ❖ TUESDAY, JUNE 11

2:30 pm **Protecting Tucson Water’s Central Wellfield: Randolph Park Golf Complex PFAS Treatment Facility** (TUE15-02)  
*Speaker: Viking Edeback*

### ❖ WEDNESDAY, JUNE 12

8:30 am **Stormwater to Potable – A Blended US/International Perspective on Stormwater Recycling** (WED24-01) *Speaker: Julia Schmitt*

9:30 am **Make Note for The Next Guy: Things I Wish I Would Have Known and Other Lessons Learned for Start-Up of Houston’s 320MGD Expansion** (WED12-03) *Speakers: Paul Walker, Sarah Berkey, Jasmin Zambrano, (City of Houston)*

1:30 pm **The \$1.765B WTP hand-off from the Design-Builder to Houston** (WED46-01)  
*Speakers: Paul Walker, Lilian Nguyen, (City of Houston)*

1:30 pm **Water Shortages in a Tropical Paradise – Maui, Hawaii** (WED55-01) *Speaker: Jessica Fritsche*

1:30 pm **Monitoring Potable Reuse Treatment Systems** (WED61-01) *Speaker: Andrew Salveson*

1:50 pm **Understanding Hierarchies and CMMS** (WED48-02) *Speaker: Jennifer Suttles*

2:30 pm **Innovative Pipeline Design Solves the Problem of Seismic Reliability on a Constrained Urban Site at San Francisco’s New State-of-the-Art Headworks** (WED42-03) *Speaker: Kaushik Punyamurtula*

2:30 pm **Leaving No Floc Unturned: CFD Modeling Results Provide Insight in Key Pretreatment Design Considerations** (WED40-03)  
*Speaker: Brandon Dunagan*

2:30 pm **System Operations, Water Quality, Resilience, and Modeling the Future for Elevated Storage Tanks** (WED49-02)  
*Speaker: Kristiana Dragash*

2:30 pm **Pathogen Control & Implementation** (WED61-03) *Speaker: Amos Branch*

3:00 pm **Tiny Bubbles Making Everything Fine at the Greenway Water Treatment Plant** (WED40-04) *Speaker: Dylan Lesan*

3:00 pm **Replacement of Casa Loma Siphon Barrel No. 1 at Fault Crossing Improves Seismic Resilience of Colorado River Aqueduct** (WED42-04) *Speakers: Darren Baune, Cathy Chau, (Metropolitan Water District of Southern California)*

3:30 pm **Machine Learning to Predict Pathogen Removal by a Membrane Bioreactor for Potable Reuse** (WED61-05)  
*Speaker: Samarth Suresh*

4:00 pm **Anoxic Biotreatment for Inorganic Contaminant Removal – 20 Years of Lessons Learned** (WED40-06) *Speaker: Jess Brown*

### ❖ THURSDAY, JUNE 13

9:30 am **A Web-Based GIS Digital Twin to Update Pumping and Storage Requirements in Real Time** (THU10-03) *Speaker: Matt Huang*

9:30 am **How to Overhaul a Water Plant Without Compromising Operations** (THU11-03) *Speaker: Jeff Riley*

10:30 am **One Water Solutions for Sustaining Base Flows in the Verde River** (THU26-02) *Speaker: Eric McLeskey*

11:00 am **Hydraulic Modeling of Energy Use Optimizes Potable Water Distribution System Operations** (THU30-03) *Speaker: Matt Huang*

11:00 am **Current and Future Water Reuse Opportunities for Drought Resilience in Santa Barbara County** (THU20-06)  
*Speaker: Andrew Salveson*

1:30 pm **Planning for DPR in Colorado: Aurora Water’s Approach to DPR** (THU55-01) *Speaker: Jason Assouline*

2:00 pm **Tucson Water – The One Water 2100 Plan for Long-Range Water Resource Management** (THU54-02) *Speaker: Warren Greco*

2:30 pm **Rethinking Ion Exchange: The First Suspended Ion Exchange (SIX) Pilot in the US for PFAS, TOC, and TDS Removal in Potable Reuse** (THU43-03) *Speaker: Yun (Rosa) Yu*

4:00 pm **Regional Collaboration For a Drought Resistant Water Supply** (THU55-06) *Speaker: Corin Marron*

4:00 pm **Machine Learning Soft Sensors for Potable Reuse** (THU62-03) *Speaker: Kyle Thompson*