

# CAROLLO ENGINEERS – TECHNICAL PRESENTATIONS



WEFTEC 2024 – NEW ORLEANS, LA

## ❖ SATURDAY, OCTOBER 5

8:45 am **Workshop: Thickening 101: Why Thicken?** *Speaker: Rashi Gupta*

1:30 pm **Workshop: Design Considerations and Challenges of Thickened Solids Pumping** *Speaker: Christian Karavangelos*

## ❖ SUNDAY, OCTOBER 6

10:30 am **Workshop: The Latest on CBAT Innovation** *Speaker: Melanie Pickett*

## ❖ MONDAY, OCTOBER 7

1:30 pm **Machine Learning Soft Sensors for Energy Efficient Potable Reuse** *Speaker: Kyle Thompson*

2:00 pm **Machine Learning to Predict Pathogen Removal in Potable Reuse MBRs Based on Microbial Surrogates**  
*Speaker: Samarth Suresh*

2:30 pm **Ion Exchange Potable Reuse: Organics and Salinity Removal Without RO** *Speaker: Melanie Pickett*

2:30 pm **Converting HPO to Nitrogen Removal: Closing the Oxygen Gap Through Electrolysis** *Speaker: Samuel Reifsnnyder*

4:10 pm **Comprehensive Planning for DPR in Colorado: A Precedent-Setting Project Putting New Regulations To Good Use**  
*Speaker: Jason Assouline*

## ❖ TUESDAY, OCTOBER 8

8:30 am **Reclaimed Water Disinfection: Challenges and Solutions at Brightwater** *Speaker: Alison Payauys*

8:30 am **Tips and Tricks for Federal Infrastructure Grants** *Speaker: Emily Platt*

1:30 pm **End-of-Pipe Zero Liquid Discharge Coupled with Ultrapure Water Recycling: Building Critical Resilience in the Semiconductor Industry** *Speaker: John Rydzewski*

3:30 pm **Predicting Primary Clarifier Performance with Traditional and Machine Learning Models** *Speaker: Nicholas Guho*

3:30 pm **Precision in Practice: Water Quality Optimization for UF Plant Efficiency** *Speaker: Dan Hugaboom*

3:45 pm **Development of LASAN Purified Recycled Water Projects Using Alternative Delivery** *Speaker: Gil Crozes*

4:00 pm **Model Redo: How Public Feedback Impacted the Flood Reduction Solutions** *Speaker: Caroline Burger*

## ❖ WEDNESDAY, OCTOBER 9

10:30 am **Choose Your Own Adventure: A Pathway for Finding Grant Funding** *Speaker: Emily Platt*

10:30 am **Redefining FAT in Potable Reuse: The Skinny on CBAT** *Speaker: Pranjali Kumar*

11:30 am **A (Nearly) Full Public Reuse Regional Utility Evaluates Potable Reuse as an Alternative Water Supply** *Speaker: Pranjali Kumar*

Booth 2953-Hall D/SDG Theater Sessions in the Drinking Water Pavilion

## ❖ MONDAY, OCTOBER 7

9:30 am **A Mountain Utility's Effort to Quantify and Reduce GHG Emissions** *Speakers: Jeff Paley*

10:30 am **One Utility's Strategy to Cut their Carbon Footprint by Two Thirds** *Speaker: Christine Polo and Ricky Gutierrez*

2:30 pm **Using BEAM\*2022 to Identify the Most Effective Ways to Cut Greenhouse Gas Emissions in Biosolids and Biogas Management**  
*Speaker: Christine Polo*

3:30 pm **Green Era Campus: Pre- and Post-Consumer Food Waste-to-Energy** *Speaker: Allison McCurdy*

## ❖ TUESDAY, OCTOBER 8

11:00 am **Equity in the Pipeline: Innovative Approaches to Equitable Capital Investment** *Speaker: Maya Turner and Kathleen Mannion*