

TUESDAY, NOVEMBER 16

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| 10:00 AM - 11:00 AM CT | Keynote | <ul style="list-style-type: none"> • WEFTEC 2021 Opening General Session: The Power of Conversations and Connections, featuring: Laura Schwartz |
| 11:00 AM - 11:30 AM CT | Technical Presentations | <ul style="list-style-type: none"> • US Environmental Protection Agency Office of Wastewater Management Update • Microconstituents Removal Through Biofilm Thickness Control Strategies for Water Reuse • Current State of Knowledge on EBPR Modeling: Model Structures, Calibration Approaches and Future Outlook |
| 11:00 AM - 11:50 AM CT | Learning Exchange | <ul style="list-style-type: none"> • Workforce Critical Topics, led by Jacqueline Jarrell, Charlotte Water |
| 11:30 AM - 12:00 PM CT | Technology Demonstrations | <ul style="list-style-type: none"> • "inDENSE™ - Modern Day Biological Process Intensification • Introducing Xylem's Leopold Texler™ Lamella Clarifier |
| 12:00 PM - 12:30 PM CT | Technical Presentations | <ul style="list-style-type: none"> • Two-Stage Partial-Nitritation/Anammox Process Demonstrates Stable and Efficient Treatment of High-Strength Industrial Digestate • The Savings Are in the Details: Fundamentals of ABAC Design |
| 12:30 PM - 1:00 PM CT | Technology Demonstrations | <ul style="list-style-type: none"> • Energy and Maintenance Saving Modern Technology Solids-Handling Pumps • New Benchtop BOD meters and Auto-Titrators from YSI |
| 1:00 PM - 1:30 PM CT | Technical Presentations | <ul style="list-style-type: none"> • Balancing Risk & Reward: Considerations for Supercritical Flow Splitting in Collection Systems • Resource Recovery From Organic Waste Streams by Anaerobic Biotechnologies • Digital Twin Development Implementation, and Results for the Changi WRP, Singapore |
| 1:00 PM - 1:50 PM CT | Learning Exchange | <ul style="list-style-type: none"> • Utility Leadership Forum: Evolving Your Leadership Toolkit For the New Normal |
| 1:30 PM - 2:00 PM CT | Technology Demonstrations | <ul style="list-style-type: none"> • Adaptive Mixers: More Advantages than You Thought • Under Pressure: A Day Onsite for a Metallic Force Main Inspection |
| 2:00 PM - 2:30 PM CT | Technical Presentations | <ul style="list-style-type: none"> • Improving Clarifier Performance and Capacity Through Full-scale Implementation of High-rate Contact Stabilization • Oakman Blvd: Green Infrastructure to Serve the Community • 10-Year-Old Membranes Challenge the Tiered System with Protozoa, Virus and Surrogate Removal |

WEDNESDAY, NOVEMBER 17

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| 10:00 AM - 11:00 AM CT | Virtual Facility Tour | <ul style="list-style-type: none"> • Virtual Facility Tour hosted by the Metropolitan Water Reclamation District of Greater Chicago |
| 11:00 AM - 11:30 AM CT | Technical Presentations | <ul style="list-style-type: none"> • Use of Integrated Planning to Facilitate an NPDES Permit Renewal • Bringing PdNA to Practice: Are We There Yet? • Thiol Functionalized and Manganese Dioxide Doped Biochar for the Removal of Toxic Organic and Inorganic Contaminants from Water |
| 11:00 AM - 11:50 AM CT | Learning Exchange | <ul style="list-style-type: none"> • The Next Big Thing in Water (PFAS, Microplastics, COVID Testing in Water, etc.), led by Amy Corriveau, CDM Smith |
| 11:30 AM - 12:00 PM CT | Technology Demonstrations | <ul style="list-style-type: none"> • Innovative Solutions for CSO/Deep-Tunnel Projects • Introducing the Next Generation of Duron Open Channel UV |
| 12:00 PM - 12:30 PM CT | Technical Presentations | <ul style="list-style-type: none"> • Northeast Industrial District Sewer Separation – Private Property • Exciting Applications of Machine Learning in the Water Industry • From Theory to Practice: Continuous Flow Aerobic Granulation Using External Selectors in Full-scale US Facilities |
| 12:30 PM - 1:00 PM CT | Technology Demonstrations | <ul style="list-style-type: none"> • Online Process Monitoring for Treatment Optimization • Reducing OPEX and Managing your Assets with Digital Solutions |
| 1:00 PM - 1:30 PM CT | Technical Presentations | <ul style="list-style-type: none"> • Advancement in Peracids Disinfection of Municipal Wastewater: Approaching the Economics of Sodium Hypochlorite with Performic Acid and Advanced Process Control • What Happens in Texas Does Not Stay in Texas: How a Small-Town Texas DPR Study Inspired an International Award-Winning Carbon-Based Direct Potable Reuse Demonstration (in Florida) • Utility Financing: Lessons Learned from WIFIA Borrowers |
| 1:00 PM - 1:50 PM CT | Learning Exchange | <ul style="list-style-type: none"> • Public Outreach to Get Customer Support, led by Allison Fore and Justin Brown, Metropolitan Water Reclamation District of Greater Chicago |
| 1:30 PM - 2:00 PM CT | Technology Demonstration | <ul style="list-style-type: none"> • Behind the Scenes of Securing Digital Solutions |
| 2:00 PM - 2:30 PM CT | Technical Presentations | <ul style="list-style-type: none"> • Asset Management of Stormwater Infrastructure in San Diego • Fundamentals of Floc Characteristics in Anaerobic Digestions and the Implications for Dewatering • Lessons Learned from 20-years of Low-Level Phosphorus Removal |

THURSDAY, NOVEMBER 18

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| 10:00 AM - 11:00 AM CT | Keynote | <ul style="list-style-type: none"> • Waterside Chat - The Futurists of Water, featuring: Albert Cho, Xylem; Amy Corriveau, CDM Smith; and Zhen He, Washington State University in St. Louis |
| 11:00 AM - 11:30 AM CT | Technical Presentations | <ul style="list-style-type: none"> • Occurrence of PFAS Compounds in US WWTPs • Integrating People, Process, and Technology to Build Digital Solutions of the Future – CW Case Study • The Start of a Diversity, Equity, and Inclusion Transformation: Recounting WEF's Journey |
| 11:00 AM - 11:50 AM CT | Learning Exchange | <ul style="list-style-type: none"> • Funding: How to Find It, led by James Eichenberger, HDR Inc. |
| 11:30 AM - 12:00 PM CT | Technology Demonstrations | <ul style="list-style-type: none"> • A Glimpse Inside the Smith-Blair Factory: Dealing with Aging Infrastructure • Wastewater Network Management: How Utilities have Upended the Status Quo |
| 12:00 PM - 12:30 PM CT | Technical Presentations | <ul style="list-style-type: none"> • City of New Orleans Green Infrastructure from Concept to Constructability • Pin Point Proof: Innovative Temperature Study Accurately Locates Potential Sources of I/I • Does Bioaugmentation of Aerated Stabilization Basins Work? Lessons From Field Scale Trials With a Control |
| 12:30 PM - 1:00 PM CT | Technology Demonstration | <ul style="list-style-type: none"> • A Tour Through Xylem's World-Class Service Center in Pewaukee |
| 1:00 PM - 1:30 PM CT | Technical Presentations | <ul style="list-style-type: none"> • Removal from and Transformation of PFAS from Biosolids in a High Temperature Pyrolysis System - A Bench Scale Evaluation • Identification of Highly Transmissible SARS-CoV-2 Variants in Sewage Predicts Clinical Disease Burden in the United States • Best Practices of Intelligent Algorithms to Optimize and Prioritize Capital Investments and Asset Rehab for Jefferson County, AL |
| 1:00 PM - 1:50 PM CT | Learning Exchange | <ul style="list-style-type: none"> • Water Workforce: People of Color, led by Ifetayo Venner, Arcadis US Inc. |
| 1:30 PM - 2:00 PM CT | Technology Demonstration | <ul style="list-style-type: none"> • Field Smart Technology and Godwin Pumps for Operational Continuity and Efficiency |
| 2:00 PM - 2:30 PM CT | Technical Presentations | <ul style="list-style-type: none"> • Beyond COVID: Wastewater Disease Surveillance • Decarbonization of Wastewater: Thoughts from the WRF Paul Busch Award Winner • Dynamic Influent Load Diversion as a Demand Response Service In Systems of Hydraulically Connected WRRFs |