

Monday, August 2, 2021

Time	Room 106A		Room 106B		Room 107A		Room 107B		Room 202A		Room 202B		Room 201A	
	STORMWATER / BLENDING	PRESENTER	WASTEWATER TREATMENT	PRESENTER	COLLECTION SYSTEM I	PRESENTER	COLLECTION SYSTEM II	PRESENTER	PIPELINES / REHABILITATION	PRESENTER	UTILITY FINANCE	PRESENTER	ADVANCED METERING	PRESENTER
10:00 - 10:45	<i>Adaptable, Mechanically Cleaned Bar Screen Optimizes Hydraulics in Any Condition, Helps Prepare Plants for EPA's Wastewater Blending Rule Changes</i>	Mark Hickok - Duperon Corporation	<i>Start-up and Performance Overview of Aerobic Granular Sludge at WolfCreek WWTP</i>	Paula Dorn - Aqua-Aerobic Systems, Inc.	<i>Large Diameter Sewer Assessment - If I See Rebar, Is the Pipe going to Collapse</i>	Tad Powell - Hazen and Sawyer	<i>Benefits of Using Geopolymer Mortar to Rehabilitate Manholes, Lift Stations and Large Diameter Pipe</i>	Casey Morgan - Vortex Companies	<i>Protection of Buried Assets in Exceptionally Aggressive Soil Environments</i>	Maury Gaston - American Cast Iron Pipe	<i>Exploring Funding Options in a New Era</i>	John Croom-AUC Group	<i>Getting out of the Water Meter Maintenance and Repair Business</i>	Jason Dearing - Krebs Engineering, & Andy Alsbrook - Administrator Opelika Utilities
10:45 - 11:30	<i>Save the Land: Shrinking Detention Ponds with Automated Outlet Control</i>	Jon Rasmussen - FLOOD-CON LLC	<i>Installation of the First Full Scale Aerobic Granular Sludge Process in North America</i>	Dustin Till - Goodwyn Mills Cowood	<i>The Pressure is On: Overcoming the Challenges of a Sanitary Force Main Condition Assessment</i>	Heath Hardy - HDR	<i>XAK-PACK Pump Station Evaluation</i>	Zachary Purvis & Brock Jones - Kimley-Horn and Associates, Inc	<i>Exploring Solutions in Pressure Pipe Rehabilitation</i>	Chad Andrews - Underground Solutions, Inc.	<i>The Environmental Finance Center Network- A Potential Resource for Utilities</i>	Brian Bohnsack - Wichita State University Environmental Finance Center	<i>Avoiding Common Pitfalls with AMI Meter Reading</i>	Jon Morris & Percy Coleman - Alabama Power
11:30 - 1:00	LUNCH													
	PUMPING SYSTEMS	PRESENTER	BIOSOLIDS	PRESENTER	WASTEWATER TREATMENT	PRESENTER	COLLECTION SYSTEM	PRESENTER	PIPELINES / REHABILITATION	PRESENTER	MODELING / CONTROLS	PRESENTER	CONSTRUCTION	PRESENTER
1:15 - 2:00	<i>Tear It Down: Case Study for Pump Station Elimination</i>	Brian Rohling - Jefferson County & Cam Traylor - Gresham Smith	<i>Optimizing Anaerobic Co-digestion of Wastewater Residuals with Food waste and Fats, Oils and Grease</i>	Juliet Ohemeng-Ntiamaah - Jacobs & Dr. Tania Datta - Tennessee Tech University	<i>Headworks - Our First Line of Defense. Five Critical Factors for a Successful and Resilient Headworks Facility</i>	Wes Cardwell - Garver	<i>How the COVID-19 Challenge Illuminated Opportunity Transformational Change with Collection System Maintenance</i>	Jay Boyd - ADS, LLC	<i>Polyethylene Encasement for External Corrosion Control for Iron Pipelines - A Sixty Year History</i>	Allen Cox - Ductile Iron Pipe Research Association	<i>Validation and Use of Risk Reduction of Water & Wastewater Quality Measurements, Plant Data and Process Management</i>	Kathryn Grimball - Hach	<i>Capturing Project Cost Savings from Smart Excavation and Construction Design</i>	Cale Madden-Mott MacDonald
2:00 - 2:45	<i>Pump Station Improvements: Best to Assess Before you Invest</i>	Tom Harwell - Hazen and Sawyer & Ken Bennett, JCESD	<i>Harnessing the Sun - Pasco County Uses Solar Energy to Help Achieve Class AA Biosolids</i>	Wayne White - Kimley Horn & Ted Merrell - Merrell Brothers	<i>Giving One-Hundred and Ten Plus Percent: Process Intensification with Membrane Aerated Biofilm Reactor Technology</i>	Amit Kaldate - Suez Water Treatment Technologies and Solutions	<i>Identifying and Preventing Inflow & Infiltration in Manholes</i>	Dan Peterson - Cretex Specialty Products	<i>Utilizing Trenchless Technology to Minimize Cost of Installing Utilities Under Roads</i>	Chad Andrews - Underground Solutions, Inc.	<i>Secure by Design - Planning for Secure and Sustainable Next Generation SCADA Systems</i>	Gregg Gray & Gordon Powel - Jacobs	<i>The FETP CYCLE</i>	Joey Herndon - Evoqua Water Technologies
2:45 - 3:30	<i>A Tale of 2 Lift Stations</i>	Jarred Reber - Barge Design Solutions	<i>A Solid Case For Solids Management</i>	Stephen Daly & Kathryn Grimball - HACH	<i>A Case Study of PFAS in Waste Water Influent and Effluent</i>	Lindsay Boone - Enthalpy Analytical	<i>Validating the Design Methodology of Pressure Sewer Systems</i>	Keith McHale - Environment One Corporation	<i>Ductile Iron Pipe Restrained Joints and Horizontal Directional Drilling</i>	John Simpson - McWane Ductile	<i>SCADA, IT and OT Security - A Discussion of Standards, Best Practices, and Technology</i>	Alan Hudson - VTScada by Trihedral	<i>How D/B can optimize your green dollars + provide a Unique Water Reuse system</i>	Bruce Stevens - Aquionics
3:30 - 4:15	<i>Flying Blind No More: Using Edge Analytics to Optimize Pumping Systems</i>	Michael Bernard - Specific Energy	<i>Managing Biosolids Over the Long Haul</i>	John Richardson - Garver	<i>PFAS: Is that Miracle Coating in your Effluent?</i>	Kirk Mills & Kaylee Dusek - Kimley-Horn and Associates, Inc	<i>Jefferson County's SSO Electronic Reporting and Public Notification</i>	Vivek Sai - Hazen and Sawyer & David Denard - JCESD	<i>Pressure Pipe Management- Prioritization, Assessment and Data. Then what?</i>	Jimmy Stewart - Advanced Water/Wastewater Infrastructure Solutions	<i>Comparability of Methods Used for Measuring Turbidity</i>	Danny Hutcherson - CC Lynch & Associates	<i>What makes a water/wastewater project successful?</i>	Bradley Pemberton - Jacobs
4:15 - 5:30	EXHIBIT HALL - HAPPY HOUR													

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Tuesday, August 3, 2021

Time	Room 106A		Room 106B		Room 107A		Room 107B		Room 202A		Room 202B		Room 201A	
	UTILITY MANAGEMENT	PRESENTER	WASTEWATER TREATMENT	PRESENTER	WASTEWATER DISINFECTION	PRESENTER	DIGITAL SOLUTIONS	PRESENTER	WATER SUPPLY & DISTRIBUTION	PRESENTER	WATER TREATMENT	PRESENTER	ENGINEERING	PRESENTER
2.25 7:45 - 8:30	<i>Optimizing a Capital Improvement Program - How to Measure and Improve Effectiveness</i>	Stephen King - Hazen and Sawyer	<i>Digester Dilemma... Convert a Class A Biosolids Facility from Anaerobic Digestion to Aerobic Digestion?</i>	Kris Macon - Krebs Engineering	<i>Three Major Advantages of Disinfecting Wastewater in Closed Vessel UV Systems</i>	Patrick Bollman - Evoqua	<i>Cybersecurity Fundamentals for Water Authorities</i>	Brad Bowman - CDG Engineers and Associates	<i>Surge for Dummies</i>	William Nicholl - VAG USA LLC	<i>Squeezing out every dollar: A case study on polymer optimization for residuals management</i>	Heath Hardy-HDR Engineering, Inc.	<i>Combined Modeling Strategy to Resolve Chlorine Residual and DBP Challenges for Potable Water Systems</i>	Ashley Pifer & Josef Dalaeli - Garver
2.25 8:30 - 9:15	<i>Improving Revenue Collections for Utilities</i>	Gary Sanders - Edmunds GovTech	<i>Nutrient Removal Operational Strategies and Optimization - Sulphur Springs WWTP Case Study</i>	Rusty Tate - Garver	<i>Disinfection with Peracetic Acid at the Madison WWTP</i>	Caleb Leach - Krebs	<i>Beyond AWIA, What Water Utilities Need to Know/Do?</i>	David Brearley - HDR	<i>If It Fits, It Sits – The Why and How of Proper Control Valve Sizing</i>	Andrew Green - Mueller Water Products	<i>Powdered Activated Carbon Filtration for the Removal of PFAS and Dissolved Contaminants</i>	Andrea Schmid - Cornerstone H2O	<i>PFAS an Emerging Contaminant in Drinking Water</i>	Daniel Hall - Goodwyn, Mills, & Cawood
9:15 - 10:00	<i>Wastewater Transmission System Design-Build Optimization/Improvements Project Expedites Additional Capacity and Avoids a Moratorium on Development</i>	James Kizer-Constantine Engineering, Inc.	<i>How Can You Manage Your Peak Wet Weather Flows with Treatment?</i>	John Dyson - Aqua-Aerobic Systems, Inc.	<i>Understanding pathogen removal of membrane bioreactors towards the end of product life</i>	Larry Morris - Kubota Membrane	<i>A Web-based Approach to Capacity Assessments</i>	Justin Graham & Hatem El-Sayegh - Barge Design Solutions	<i>The Role of Distribution Water Quality Assessments in Optimizing Corrosion Control Treatment</i>	Richard Giani - Jacobs	<i>Understanding the Factors Affecting Algae Blooms for Better Management of Taste and Odor Compounds and Cyanotoxins</i>	Zaid Chowdhury - Garver	<i>Design of the World's Largest PFAS Mitigation Project</i>	Bryan Pate - InSite Engineering, LLC
10:00 - 11:00	BREAK													
	LABORATORY	PRESENTER	RURAL TREATMENT SOLUTIONS	PRESENTER	OPERATIONS	PRESENTER	COLLECTION SYSTEM	PRESENTER	WATER SUPPLY & DISTRIBUTION	PRESENTER	UTILITY MANAGEMENT	PRESENTER		PRESENTER
11:00 - 11:30	<i>Microscopic Evaluations</i>	Anna Lander - Environmental Business Specialists	<i>Wastewater Challenges in the Rural Alabama Black Belt: Technology and Management Solutions for Underserved Communities</i>	Kevin White - University of South Alabama	<i>Wiping out the Wipes Crisis</i>	Joe Clark - JWC Environmental	<i>Getting it Right the Second Time - Improved Modeling Practices for SSO Elimination and Capacity Assurance Planning</i>	Helen Lu - Hazen and Sawyer	<i>A Utility's Guide to Understanding and Preparing for the Revised Lead and Copper Rule</i>	Stuart Jeffcoat - HDR	<i>The Art of Possibility: A Water Rate That Varies Monthly to Recover the True Costs of Water.</i>	Dan Hilyer - Opelika Utilities	<i>Round Table - The Importance of Diverse Experiences and How They Strengthen the Industry</i>	Women in Water Committee
11:30 - 12:00	<i>Validation of Water and Wastewater Quality Measurements, Plant Data and Process Management & Risk Mitigation</i>	Kathryn Grimball - Hach	<i>Constructed Wetlands in the Black Belt of Alabama</i>	Rachel Chai - University of South Alabama	<i>Ready, FIRE, Aim - Start up of Three Wastewater Treatment Facilities</i>	David Moore - ESG Operations, Inc.	<i>Utilizing Earthen Basin to Reduce Sanitary Sewer Overflow and Reduce Risk</i>	David Stejskal - Jacobs & Doug Cote - MAWSS	<i>SipSafe Program - Protecting children from lead exposure</i>	Nelson A. McGough - Water Resources Research Institute MS State Ext. Service	<i>The Art of Possibility: 150+ Data Use Cases for the Water/Wastewater Utility's Business Intelligence Program</i>	Dan Hilyer - Opelika Utilities		
12:00 - 1:00	LUNCH													
	LAGOON SYSTEMS	PRESENTER	WASTEWATER TREATMENT	PRESENTER	EXHIBIT HALL MOBILE SESSIONS				WATER SUPPLY & DISTRIBUTION	PRESENTER	UTILITY MANAGEMENT	PRESENTER	WATER TREATMENT	PRESENTER
2.25 1:15 - 2:00	<i>Algae and Phosphorous Removal Using Conventional Technology and Saving Capital Cost</i>	Susan Pilgram - FRC Systems	<i>Managing aquatic selenium pollution through direct electrochemical reduction</i>	Shiqiang (Nick) Zou - Auburn University					<i>Development of a 20-Year Water Distribution Master Plan</i>	Erin Fleet - Barge Design Solutions	<i>Balancing Act: Managing Revenue Sufficiency while being Mindful of Affordability</i>	Sarah Chandler & Jim Marshall - Jackson Thornton	<i>On-Site Sodium Hypochlorite Generation: A Safe and Reliable Disinfection Alternative to Bulk Sodium Hypochlorite and Gas Chlorine</i>	Tom Caulfield - UGSI Solutions
2.25 2:00 - 2:45	<i>Facultative Decisions – Optimizing Wastewater Treatment Lagoon Systems</i>	Charles Starling - Kimley-Horn and Associates, Inc.	<i>Tertiary Polishing</i>	Dr. Ronald Malone - AST Filters					<i>The Impact of Real Water Loss in Distribution Systems</i>	Andrew Green - Mueller Water Products	<i>Communications 101- Getting your message to your boards, elected officials, and customers.</i>	Brian Bohnsack - Wichita State University Environmental Finance Center	<i>Getting the Iron Out: Case Study on Meridian WTP - Update</i>	John Hughes - SUEZ Water Technologies and Solutions
2:45 - 3:30	TBD	TBD	<i>CASE STUDIES – Clamp-on Flow Measurement in Closed Pipes</i>	Shaun McNulty - Flexim					<i>Distribution System Water Quality Improvements with Implementation of Active Tank Mixing</i>	Tom Caulfield - UGSI Solutions	<i>Prioritizing Water Infrastructure with Artificial Intelligence</i>	Cory Sides - Ferguson Waterworks & VODA.ai	<i>Zero2Waste Gravity Filter Systems - Water...Every Drop Counts!</i>	Mark Romers - Filter Magic / ICS
3:30 - 5:00	BREAK													

Wednesday, August 4, 2021

Time	Room 202A		Room 202B		Room 201A	
	REGULATORY UPDATES	PRESENTER	REGULATORY UPDATES	PRESENTER	REGULATORY UPDATES	PRESENTER
8:00 - 9:00	<i>MS DEQ Water</i>	<i>TBD</i>	<i>ADEM Water</i>	<i>TBD</i>	<i>MS Drinking Water and Clean Water SRF Updates</i>	<i>Harry Gong - MS State Department of Health</i>
9:00 - 10:00	<i>MS DEQ Wastewater</i>	<i>TBD</i>	<i>ADEM Wastewater</i>	<i>TBD</i>	<i>ADEMSRF</i>	<i>TBD</i>
CONFERENCE ENDS						

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12 **Technical Session Hours**
Exhibit Hall Hours

NOTES

Wednesday - need to determine if regulatory will be participating.

Ethics added to Tuesday at 2:45 - TBD