

**2021 PA AWWA VIRTUAL CONFERENCE TECHNICAL SESSIONS**

**TUESDAY - May 25, 2021**

AM	TRACK #1	TRACK #2
9:00-9:30	<b>Heather Heltzinger , Keystone Engineering Group</b> - What is SCADA? A Guide to the Importance of Controls in the Water Industry	<b>Luis Casado, Gannett Fleming</b> - Smart Human and its Machines: Smart Water Utility Improvement with AI,GIS Data Analysis, and Digital Technology
9:30-10:00	<b>Calcino Rozario, HDR</b> - SCADA System Upgrades - Drivers, Planning and Opportunities	<b>Kevin Flis, Xylem</b> - Intelligent Networks - High Quality Water from Source to Tap

**10:00 - 10:30 BREAK**

10:30 - 11:00	<b>Jessica Hou, Gannett Fleming</b> - How Intelligent Do We Really Want our Water to Be?	<b>Ben Stanford, Hazen &amp; Sawyer</b> - Managing Risk & Visualizing Data Across The Organization: An Enterprise GIS-BIM-BI Implementation
11:00 - 12:00	<b>James Schultz, HDR</b> - Operational Technology (OT) Cybersecurity Guiding Principles	<b>Gary Sanders , Edmund Gov Tech</b> - Improving Revenue Collections for Utilities

**PM**

1:00 - 1:30	<b>John Civardi, Mott MacDonald</b> - Lead has a beautiful profile.	<b>Juan Gamarra, Specific Energy</b> - Flying Blind No More: Using Edge Analytics to Improve Pump Performance
1:30 - 2:00	<b>Lisa J. Derrigan, GHD</b> - Buffalo's Journey for Lead Safe Drinking Water	<b>Juan Gamarra, Specific Energy</b> - Flying Blind No More: Using Edge Analytics to Improve Pump Performance

**2:00 - 2:30 BREAK**

2:30 - 3:00	<b>Chad Corey, HDR</b> - PFAS: Treatment Alternatives & Decision-Making Guidance	<b>Jonathan Morris, GHD</b> - Case Study: Aqua Pennsylvania's Eagle Rock Booster Station & Tank
3:00 - 3:30	<b>Ina Robinson, BlueConduit</b> - Case Studies of Using Statistics & Machine Learning to Inventory & Locate Lead Service Lines	<b>Adam Arnold, HDR</b> - Using Physical Modeling to Identify Solutions to Solve Recurring Pump Operational Issues
3:30 - 4:00	<b>Ron Milke, Eurofins Eaton Analytical</b> - PFAS Compliance Analysis: EPA 537.1 and 533 Differences, Challenges & Solutions	<b>Paul Sagues, XIO, Inc.</b> - The Dynamic Pump Sequencing - Optimizing Energy Efficiency

**Wednesday, May 26, 2021**

AM	TRACK #1	TRACK #2
9:00-9:30	<b>Caleb Sprague, Fontus Blue</b> - Optimized Treatment Operations & Management During a Pandemic	<b>Kernal Niksic, Mott McDonald</b> - What's in Your Water - A Guide to Optimize Distribution System Water Quality
9:30-10:00	<b>Jason Wert, RETTEW</b> - Expanding the Use of Drinking Water Reservoirs: Floating Solar to Supplement Plant Operations	<b>Matt Seeker, Water Service Professionals</b> - Filter Evaluation Requirements & Activities

**10:00 - 10:30 BREAK**

10:30 - 11:00	<b>Nathan Walker, Gannett Fleming</b> - Storm water Authorities-What It Could Mean for Your Community	<b>Ryan Warren, Swan Analytical</b> - Chemistry of Chlorine & Chlorine Monitoring
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<b>11:00 - 11:30</b>	<b>Mark McKoy, Aqua America</b> - Challenges of COVID in the Water Sector	<b>Tom Caulfield, USGI Solutions</b> - Chloramine Disinfectant Residual Management in Distribution Systems
<b>11:30 - 12:00</b>	<b>Todd Duerr, Aqua America</b> - Challenges of COVID in the Water Sector	<b>Derek Harzinski, Mott MacDonald</b> - Lighten Up Your Treatment - A Review of Two UV AOP Systems That Have Been in Operation for 9 Years
<b>PM</b>	<b>TRACK #1</b>	<b>TRACK #2</b>
<b>1:00 - 1:30</b>	<b>Barry Spiegel, McCrometer</b> - Using an Insertion Flow Meter as an Aid in Water Loss Detection	<b>Nick Lewis, Gannett Fleming</b> - Designed, Bid. Built: Considerations from the Contractor & Consultant on the Clinton Zone Transmission Main
<b>1:30 - 2:00</b>	<b>Sean Cleary, IAPMO</b> - Backflow Protection & Cross-Connection Control for Water Systems	<b>Jason Davenport, GHD</b> - The Sky is Falling: Morningside Reservoir Roof Collapse
<b>2:00 - 2:30 BREAK</b>		
<b>2:30 - 3:00</b>	<b>Matthew D. Cichy, Herbert, Rowland &amp; Grubic</b> - Rehabilitation of an 1880s Water Main	<b>Michael Bisigani, GHD</b> - Keys to Making Your HDD Crossing a Success !!!
<b>3:00 - 3:30</b>	<b>Bill Bohner, ARRO</b> - Meeting the Demand: Hydraulic Modeling to Maintain and Improve Municipally-Owned Small Water Distribution Systems	<b>Jeffrey Stamm, Gannett Fleming</b> - Herring Run Trail Emergency Repair - Saving the Trail
<b>3:30 - 4:00</b>	Christine Gunsaulus, Entech Engineering - Tips & Tricks the Tankies WANT You to Know	<b>Edward Spayd, Herbert, Rowland &amp; Grubic</b> - Finding the Right Disinfection Strategy to Comply With LT2: A Case Study of 2 WTPs

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