

2021 Western Washington Short School - Conference Agenda

*Date	*Time Start	*Time End	Tracks	*Session Title	Room/Location	Speakers
06/08/2021	07:30 AM	07:40 AM	General	Conference Introduction		
06/08/2021	07:40 AM	08:40 AM	Track 1	My Pump Shakes, Rattles and Rolls Vibration the Cause and Effects	Pump Stations	John E Koch
06/08/2021	07:40 AM	08:40 AM	Track 2	Locating 101: Protect Your Underground Assets	Asset Management	Robert Velasquez
06/08/2021	07:40 AM	08:40 AM	Track 3	Mobile Organic Biofilm (MOB™) Process as a hybrid granular/fixed-film technology and its implementation in full-scale WWTPs	Treatment	Jason Calhoun
06/08/2021	07:40 AM	08:40 AM	Track 4	Questions and Decisions for Meters and Meter Technology	Distribution Systems	Matthew Zellers; Charlie Sovacool
06/08/2021	07:40 AM	08:40 AM	Track 5	Introduction to Control Systems	Instrumentation & Controls	Marvin Casanova
06/08/2021	08:40 AM	08:50 AM	General	Break		
06/08/2021	08:50 AM	09:50 AM	Track 1	Pump Station Design	Pump Stations	
06/08/2021	08:50 AM	9:20 AM		Part A: Suction Piping Best Practices (HALF HOUR)	Pump Stations	Ryan Brusca
06/08/2021	09:20 AM	09:50 AM		Part B: The Valves that Protect, Control, and Make Pumps Work Right (HALF HOUR)	Pump Stations	Robert Velasquez
06/08/2021	08:50 AM	09:50 AM	Track 2	Condition Assessment for O&M - Made Easy!	Asset Management	John E Koch
06/08/2021	08:50 AM	09:50 AM	Track 3	BNR Conversion of the Oro Loma/Castro Valley WPCP	Treatment	David Seymour
06/08/2021	08:50 AM	09:50 AM	Track 4	Introduction to Water Line Flushing	Distribution Systems	Drew Endrody
06/08/2021	08:50 AM	09:50 AM	Track 5	Data, Analysis, and the Future of Instrumentation and Controls	Instrumentation & Controls	Jennifer Murphy
06/08/2021	09:50 AM	10:00 AM	General	Break		
06/08/2021	10:00 AM	10:30 AM	General	Vendor Show		
06/08/2021	10:30 AM	10:35 AM	General	Break		
06/08/2021	10:35 AM	11:35 AM	Track 1	Considerations Surrounding VFD's Applied to Generator Supplies	Pump Stations	Robert Hansen
06/08/2021	10:35 AM	11:35 AM	Track 2	Asset Management for Operations	Asset Management	Mike Uthe
06/08/2021	10:35 AM	11:35 AM	Track 3	The Science of Water and Wastewater Treatment Polymer Activation	Treatment	Jeff Rhodes
06/08/2021	10:35 AM	11:35 AM	Track 4	Control Valves 101: Operation, Application, & Maintenance	Distribution Systems	Robert Velasquez
06/08/2021	10:35 AM	11:35 AM	Track 5	Real-Time Process Controls & Instruments to Meet Stringent Effluent Limits and Improve Operational Sustainability	Instrumentation & Controls	Victoria Boschmans
06/08/2021	11:35 AM	12:05 PM	General	Lunch Break		
06/08/2021	12:05 PM	01:05 PM	Track 1	VFD Cables	Pump Stations	Mason McGuire; Robert Hansen
06/08/2021	12:05 PM	01:05 PM	Track 2	Maintaining Mechanical and Electrical Equipment	Asset Management	
06/08/2021	12:05 PM	12:35 PM		Part A: Extending the Life of Electronics in Harsh Environments (HALF HOUR)	Asset Management	Miles Reynolds
06/08/2021	12:35 PM	01:05 PM		Part B: Maintenance and Reliability for Water and Wastewater Utilities (HALF HOUR)	Asset Management	Adam Sheffield
06/08/2021	12:05 PM	01:05 PM	Track 3	The Fundamentals of Electrochemistry	Treatment	Mark McElroy
06/08/2021	12:05 PM	01:05 PM	Track 4	Disinfecting Water Mains & Storage Tanks	Distribution Systems	Aaron D Crotts
06/08/2021	12:05 PM	01:05 PM	Track 5	Advanced Process Control for the Aeration Basins	Process Control	Paul Nelsen
06/08/2021	01:05 PM	01:15 PM	General	Break		
06/08/2021	01:15 PM	02:15 PM	Track 1	Only You Can Prevent Premature Pump Replacement	Pump Stations	Brandon Moss
06/08/2021	01:15 PM	02:15 PM	Track 2	Reliability Centered Maintenance	Asset Management	Steven Dutschke
06/08/2021	01:15 PM	02:15 PM	Track 3	PFAS Treatment	Treatment	
06/08/2021	01:15 PM	1:45 PM		Part A: City of Issaquah, WA's Experiences with PFAS Removal for the Past Five Years (HALF HOUR)	Treatment	Beth Mende
06/08/2021	01:45 PM	02:15 PM		Part B: PFAS Treatment Design (HALF HOUR)	Treatment	Stephen Timko
06/08/2021	01:15 PM	02:15 PM	Track 4	Legionella in Distribution Systems	Distribution Systems	
06/08/2021	01:15 PM	1:45 PM		Part A: Legionella Management and Control for Water System Managers (HALF HOUR)	Distribution Systems	Alex Mofidi
06/08/2021	01:45 PM	02:15 PM		Part B: Legionella and Building Water Systems (HALF HOUR)	Distribution Systems	Steve Deem
06/08/2021	01:15 PM	02:15 PM	Track 5	Odor Control Master Planning Process	Odor Control	Miaomiao Zhang
06/08/2021	02:15 PM	02:25 PM	General	Break		
06/08/2021	02:25 PM	03:25 PM	Track 1	Centrifugal Pump Hydraulics, Best Practices for Pump Selection	Pump Stations	John Ssagun
06/08/2021	02:25 PM	03:25 PM	Track 2	Water Distribution Asset Management/Modeling	Asset Management	
06/08/2021	02:25 PM	2:55 PM		Part A: O Pipe, Where Art Thou? – Condition Assessment of 12 miles of 24-inch Water Transmission Main (HALF HOUR)	Asset Management	Brian Sliger
06/08/2021	2:55 PM	03:25 PM		Part B: Leveraging AMI Data for Distribution System Model Calibration (HALF HOUR)	Asset Management	Aurelie Nabonnand
06/08/2021	02:25 PM	03:25 PM	Track 3	On-Site Sodium Hypochlorite Generation as a Safe and Efficient Alternative to Chlorine Gas or Commercial Strength Bulk Hypochlorite for Water Disinfection	Treatment	Ethan Brooke
06/08/2021	02:25 PM	03:25 PM	Track 4	How distributed pressure monitoring leads to effective pressure management and leakage control	Distribution Systems	Joseph Dryer
06/08/2021	02:25 PM	03:25 PM	Track 5	Introduction to Biological Odor Control	Odor Control	Mike Harman
06/08/2021	03:25 PM	03:30 PM	General	Wrap Up		

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06/09/2021	07:30 AM	07:40 AM	General	Conference Introduction		
06/09/2021	07:40 AM	08:40 AM	Track 1	Collection System Maintenance	Collection Systems	
06/09/2021	07:40 AM	8:10 AM		Part A:SPU Crew Lining Program (HALF HOUR)	Collection Systems	Dominick Wadsworth
06/09/2021	8:10 AM	08:40 AM		Part B: Saltwater Monitoring and Modeling in King County WTD (HALF HOUR)	Collection Systems	Homero Flores
06/09/2021	07:40 AM	08:40 AM	Track 2	AM Principles and Practices for Asset Intensive Public Sector Organizations	Asset Management	Liz Kelly
06/09/2021	07:40 AM	08:40 AM	Track 3	Wastewater Treatment Technologies	Treatment	
06/09/2021	07:40 AM	8:10 AM		Part A: Case study: Using Algal Biofilms to Meet Stringent CBOD5, Ammonia, and TP Limits in a Full Scale Municipal Wastewater Treatment Facility (HALF HOUR)	Treatment	Daniel Johnson
06/09/2021	8:10 AM	08:40 AM		Part B: Forming Resource Recovery Practices in Wastewater Residuals (HALF HOUR)	Treatment	Valentino Villa
06/09/2021	07:40 AM	08:40 AM	Track 4	Benefits of Recycled Water	Distribution Systems	Christopher Stoll
06/09/2021	07:40 AM	08:40 AM	Track 5	What You Need to Know about the Lead and Copper Rule Revisions	Regulations	Pierre Kwan
06/09/2021	08:40 AM	08:50 AM	General	Break		
06/09/2021	08:50 AM	09:50 AM	Track 1	Prioritizing Cleaning & Improving Efficiency with Acoustic Inspection Technology	Collection Systems	Gene Hallum
06/09/2021	08:50 AM	09:50 AM	Track 2	Implementation Examples of Asset Management Principles for Public Sector Organizations	Asset Management	Terry Martin
06/09/2021	08:50 AM	09:50 AM	Track 3	Treatment Equipment	Treatment	
06/09/2021	08:50 AM	9:20 AM		Part A: What's the best blower technology? (HALF HOUR)	Treatment	Gatlin Gold
06/09/2021	9:20 AM	09:50 AM		Part B: How to bring Valves & Gates into the 21st Century through Automation (HALF HOUR)	Treatment	Mike McKamey
06/09/2021	08:50 AM	09:50 AM	Track 4	Construction Technologies	Construction	
06/09/2021	08:50 AM	9:20 AM		Part A: Look and Feel: Using 3D Design to Solicit End-User Feedback (HALF HOUR)	Construction	Kenneth Packard; Josiah Hartom
06/09/2021	9:20 AM	09:50 AM		Part B: Practical uses of Virtual Reality and Augmented Reality in Design and Construction (HALF HOUR)	Construction	Brian Shuck
06/09/2021	08:50 AM	09:50 AM	Track 5	Dispersion Modeling for Odor Management	Odor Control	Miranda Mair
06/09/2021	09:50 AM	10:00 AM	General	Break		
06/09/2021	10:00 AM	10:30 AM	General	Vendor Show		
06/09/2021	10:30 AM	10:35 AM	General	Break		
06/09/2021	10:35 AM	11:35 AM	Track 1	Listen Closely, Your Sewer is Talking to You	Collection Systems	Brogan Quist
06/09/2021	10:35 AM	11:35 AM	Track 2	Beyond Net Zero – Reaching the Next Level of Renewable Energy through Beneficial Use of Food Waste	Treatment	Matt Noesen
06/09/2021	10:35 AM	11:35 AM	Track 3	Meeting new regulations for total nitrogen in wastewater treatment plants discharge	Treatment	Fadi Kassir
06/09/2021	10:35 AM	11:35 AM	Track 4	How much water do we sell? The City of Lynnwood installs AML to understand actual water use by its customers.	Distribution Systems	Angie Estey; Michael James
06/09/2021	10:35 AM	11:35 AM	Track 5	Provisions for Corrosion Control of Pipelines and Water Tanks	Cathodic Protection	Jeremy Hailey
06/09/2021	11:35 AM	12:05 PM	General	Lunch Break		
06/09/2021	12:05 PM	1:05 PM	Track 1	How Can You Manage Your Peak Wet Weather Flows with Treatment?	Collection Systems	John Dyson
06/09/2021	12:05 PM	01:05 PM	Track 2	Nutrient General Permit: Optimization Tips and Techniques	Treatment	Scott Weirich
06/09/2021	12:05 PM	01:05 PM	Track 3	Accessible Inclined Orientation UV Disinfection System Permits Smaller Footprints for Larger Treatment Systems	Treatment	Pedro Gochicoa
06/09/2021	12:05 PM	01:05 PM	Track 4	Biosolids	Biosolids	
06/09/2021	12:05 PM	12:35 PM		Part A: Biosolids 101 - The Poop Loop (HALF HOUR)	Biosolids	Ashley Mihle
06/09/2021	12:35 PM	01:05 PM		Part B: PFAS and Biosolids - Current Issues and a Look Forward (HALF HOUR)	Biosolids	Todd O. Williams
06/09/2021	12:05 PM	01:05 PM	Track 5	Odor and Corrosion Control: Getting the Best of Both Worlds	Odor Control	Richard Finger
06/09/2021	01:05 PM	01:15 PM	General	Break		
06/09/2021	01:15 PM	02:15 PM	Track 1	One Doesn't Just Walk Into A Proactive Rehabilitation Program: SPU's Strategic Quest.	Collection Systems	Caroline Barlow
06/09/2021	01:15 PM	02:15 PM	Track 2	Wet Weather Management	Treatment	John Siczka
06/09/2021	01:15 PM	02:15 PM	Track 3	Old Dog, New Tricks: How the BAF platform is adapting to new treatment challenges from Primary to Tertiary	Treatment	Jon Liberzon
06/09/2021	01:15 PM	02:15 PM	Track 4	Green River Filtration Facility Tour	Facility Spotlight	Jeff Bolam
06/09/2021	01:15 PM	02:15 PM	Track 5	Odor and Corrosion Control	Odor Control	
06/09/2021	01:15 PM	1:45 PM		Part A: Introduction to Odor Control Technologies (HALF HOUR)	Odor Control	Ashlyn Bradshaw
06/09/2021	1:45 PM	02:15 PM		Part B: Considerations for Remote Odor Control Facilities (HALF HOUR)	Odor Control	Grizelda Sarria;Alexandra Der
06/09/2021	02:15 PM	02:25 PM	General	Break		
06/09/2021	02:25 PM	03:25 PM	Track 1	Challenging HDD Reduces Project Footprint and Disturbance	Collection Systems	Mark Miller
06/09/2021	02:25 PM	03:25 PM	Track 2	Biothermal Solids Processing Solutions	Treatment	Dave Parry
06/09/2021	02:25 PM	03:25 PM	Track 3	Enhanced Domestic Primary Wastewater Treatment Utilizing Pile Cloth Media Filtration for Operational Savings and Sustainability	Treatment	John Dyson
06/09/2021	02:25 PM	03:25 PM	Track 4	Cascadia WWTP Facility Tour	Facility Spotlight	Jon Kercher
06/09/2021	02:25 PM	03:25 PM	Track 5	Water Regulations Update	Regulations	
06/09/2021	02:25 PM	2:55 PM		Part A: An Update on Drinking Water Regulatory Activity (HALF HOUR)	Regulations	Sam Perry
06/09/2021	2:55 PM	03:25 PM		Part B: Making Sense of the LCRR (HALF HOUR)	Regulations	Damon Roth
06/09/2021	03:25 PM	03:30 PM	General	Wrap Up		