

2022 Western Washington Short School - Conference Agenda

*Date	*Time Start	*Time End	Tracks (Optional)	*Session Title	Room/Location (Optional)	Speakers (Optional)
6/7/2022	7:00 AM	7:30 AM	General	Morning Coffee & Registration		
6/7/2022	7:30 AM	8:30 AM	Track 1; Online	Control disinfectant residual levels in water distribution systems	1A - Distribution Systems (Virtual)	Ethan Brooke
6/7/2022	7:30 AM	8:30 AM	Track 2; Online	Wasetwater Treatment	1B - Wastewater Treatment (Hybrid)	
6/7/2022	7:30 AM	8:00 AM	Track 2; Online	PFAS-free biochar from Biosolids (Half Hour)	1B - Wastewater Treatment (Virtual)	Valentino Villa
6/7/2022	8:00 AM	8:30 AM	Track 2; Online	A Process for Identifying Nutrient Optimization Strategies (Half Hour)	1B - Wastewater Regulations (Virtual)	Scott Weirich
6/7/2022	7:30 AM	8:30 AM	Track 3	Coagulant/Polymer101 - Fundamentals of Clarification and Dewatering	1C - Treatment	Yong H. Kim
6/7/2022	7:30 AM	8:30 AM	Track 4	Operator Involvement in Capital Facility Planning and Design	2B - Planning & Construction	Ed Griffenberg
6/7/2022	7:30 AM	8:30 AM	Track 5	Management	2C - Utility Management	
6/7/2022	7:30 AM	8:00 AM	Track 5	Strategies to Diversify Our Present and Future Workforce (Half Hour)	2C - Utility Management (Virtual)	Robert Tovar
6/7/2022	8:00 AM	8:30 AM	Track 5	Manage your career (Half Hour)	2C - Utility Management	James Heitzman
6/7/2022	8:30 AM	8:35 AM	General	Break		
6/7/2022	8:35 AM	9:35 AM	Track 1; Online	Reservoir Mixing to Improve Water Quality	1A - Distribution Systems (Virtual)	Ethan Brooke
6/7/2022	8:35 AM	9:35 AM	Track 2; Online	Wasetwater Treatment	1B - Wastewater Treatment	
6/7/2022	8:35 AM	9:05 AM	Track 2; Online	Choosing the Right Test for Bacteria in Wastewater (Half Hour)	1B - Wastewater Treatment (Virtual)	Ruth Powers-Piccone
6/7/2022	9:05 AM	9:35 AM	Track 2; Online	Messing with the Thermostat: Understanding Impacts on Wastewater Process Temperature (Half Hour)	1B - Wastewater Treatment (Hybrid)	Jennifer E Murphy
6/7/2022	8:35 AM	9:35 AM	Track 3	Water Treatment	1C - Treatment	
6/7/2022	8:35 AM	9:05 AM	Track 3	A Field Guide to Developing a Mains Cleaning Program (Half Hour)	1C - Treatment	Michael Hallett
6/7/2022	9:05 AM	9:35 AM	Track 3	Optimizing Ammonia and Manganese Removal from Groundwater: A Case Study (Half Hour)	1C - Treatment	Alex Mofidi
6/7/2022	8:35 AM	9:35 AM	Track 4	If it Won't Start, It Won't Work - Expanded Startup Planning	2B - Planning & Construction	Ed Griffenberg
6/7/2022	8:35 AM	9:35 AM	Track 5	The resilient utility- managing risk and preparing for the worst	2C - Utility Management (Virtual)	Gerald Fejarang
6/7/2022	9:35 AM	10:15 AM	General	Competition Showcase		
6/7/2022	10:15 AM	11:15 AM	Track 1; Online	THM Reduction in Water Distribution Systems	1A - Distribution Systems (Virtual)	Ethan Brooke
6/7/2022	10:15 AM	11:15 AM	Track 2; Online	Laboratory Accreditation-General Topics	1B - Wastewater Regulations (Virtual)	Rebecca Wood
6/7/2022	10:15 AM	11:15 AM	Track 3	Wastewater Treatment	1C - Treatment	
6/7/2022	10:15 AM	10:45 AM	Track 3	Nitrogen Removal Optimization at Post Point (Half Hour)	1C - Treatment	Anne Conklin
6/7/2022	10:45 AM	11:15 AM	Track 3	Going Mag: Learning from the Slurry (Half Hour)	1C - Treatment	Chris Stoll
6/7/2022	10:15 AM	11:15 AM	Track 4	Considerations when anchoring, leveling and grouting rotating equipment	2B - Planning & Construction (Virtual)	John E Koch
6/7/2022	10:15 AM	11:15 AM	Track 5	Material Increases, Supply-Chain Issues and Covid-19	2C - Utility Management (Virtual)	Peter Bredehoeft
6/7/2022	11:15 AM	12:15 PM	General	Lunch Break		
6/7/2022	12:15 PM	1:15 PM	Track 1; Online	GAC 101 - Basics and applications	1A - Distribution Systems (Hybrid)	Ben Goecke
6/7/2022	12:15 PM	1:15 PM	Track 2; Online	Corrosion and Condition Assessment of Water and Wastewater Pipes (Half Hour)	1B - Collection & Distribution Systems (Hybrid)	Glenn Edgemon
6/7/2022	12:15 PM	1:15 PM	Track 3	Introduction to Control Systems	1C - Controls	Jennifer E Murphy
6/7/2022	12:15 PM	1:15 PM	Track 4	Testing and Controls	2B - Planning & Construction	
6/7/2022	12:15 PM	12:45 PM	Track 4	Hybrid Factory Acceptance Test: Innovation developed through a Pandemic (Half Hour)	2B - Planning & Construction	Tina Hastings
6/7/2022	12:45 PM	1:15 PM	Track 4	Control Loops – Basic Principles and How They Work	2B - Planning & Construction	Pierre Kwan
6/7/2022	12:15 PM	1:15 PM	Track 5	Utility Management	2C - Utility Management	
6/7/2022	12:15 PM	1:15 PM	Track 5	Using Risk to Mitigate Risk: evaluation frameworks and renewal forecasting (Half Hour)	2C - Utility Management	Elizabeth Lowell
6/7/2022	12:15 PM	1:15 PM	Track 5	Capital Planning - Role of Operations and Maintenance (Half Hour)	2C - Utility Management	Lanelle Ezzard
6/7/2022	1:15 PM	1:20 PM	General	Break		
6/7/2022	1:20 PM	2:20 PM	Track 1; Online	Aging Water Storage Reservoir Evaluations: Where Do I Begin?	1A - Distribution Systems (Hybrid)	Greg Lewis
6/7/2022	1:20 PM	2:20 PM	Track 2; Online	Lessons Learned: Watershed-based water quality management system - Part 1	1B - Wastewater Regulations (Hybrid)	John Phillips; Dan Thompson; Adrien Carroll-Perkins; Danielle Stephan; Claudio Ternieden; Caitlyn Dwyer; Rebecca Singer
6/7/2022	1:20 PM	2:20 PM	Track 3	Real Time Process Controls	1C - Controls	Jennifer E Murphy
6/7/2022	1:20 PM	2:20 PM	Track 4	SCWQP Commissioning One Through Six	2B - Planning & Construction	Joelle Torre
6/7/2022	1:20 PM	2:20 PM	Track 5	Hybrid Facility Tours	2C - Facility Tour	
6/7/2022	1:20 PM	1:50 PM	Track 5	Video tour of the Anacortes Water Treatment Plant (Half Hour)	2C - Facility Tour	Isaac Brunk
6/7/2022	1:50 PM	2:20 PM	Track 5	Whatcom Falls Treatment Plant Tour (Half Hour)	2C - Facility Tour	Nick Leininger
6/7/2022	2:20 PM	2:25 PM	General	Break		
6/7/2022	2:25 PM	3:25 PM	Track 1; Online	Water Treatment	1A - Water Treatment (Hybrid)	
6/7/2022	2:25 PM	2:55 PM	Track 1; Online	Issaquah PFAS Treatment System Virtual Tour (Half Hour)	1A - Water Treatment (Virtual)	Beth Mende
6/7/2022	2:55 PM	3:25 PM	Track 1; Online	Capacity through Efficiency - Principles of Clearwell Design (Half Hour)	1A - Water Treatment (Hybrid)	Kenneth H Packard
6/7/2022	2:25 PM	3:25 PM	Track 2; Online	Lessons Learned: Watershed-based water quality management system - Part 2	1B - Wastewater Regulations (Hybrid)	John Phillips; Dan Thompson; Adrien Carroll-Perkins; Danielle Stephan; Claudio Ternieden; Caitlyn Dwyer; Rebecca Singer

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*Date	*Time Start	*Time End	Tracks (Optional)	*Session Title	Room/Location (Optional)	Speakers (Optional)
6/7/2022	2:25 PM	3:25 PM	Track 3	Data, Analysis, and the Future of I&C	1C - Controls	Jennifer E Murphy
6/7/2022	2:25 PM	3:25 PM	Track 4	Copperhead Tracer Wire: Locating 101	2B - Planning & Construction	Erin Sealy
6/7/2022	2:25 PM	3:25 PM	Track 5	Hybrid Tour of the Georgetown Wet Weather Treatment System	2C - Facility Tour	Jeff Lundt
6/7/2022	3:25 PM	3:30 PM	General	Wrap Up		
6/8/2022	7:00 AM	7:30 AM	General	Morning Coffee & Registration		
6/8/2022	7:30 AM	8:30 AM	Track 1; Online	Total & Fecal Coliform Testing	1A - Water Treatment & Distribution(Hybrid)	Erika Schwender
6/8/2022	7:30 AM	8:30 AM	Track 2; Online	Wastewater Chemistry 101	1B - Wastewater Treatment (Hybrid)	Doug Kelley
6/8/2022	7:30 AM	8:30 AM	Track 3	The Fundamentals of Electrochemistry	1C - Treatment	Mark McElroy
6/8/2022	7:30 AM	8:30 AM	Track 4	Real World Considerations for Pump Design, Operation and Troubleshooting	2B - Pump Stations	Steve Truitt, PE
6/8/2022	7:30 AM	8:30 AM	Track 5	AMI Meter Options	2C - Collection & Distribution Systems	Matt Zellers
6/8/2022	8:30 AM	8:35 AM	General	Break		
6/8/2022	8:35 AM	9:35 AM	Track 1; Online	On-site sodium hypochlorite generation	1A - Water Treatment (Virtual)	Ethan Brooke
6/8/2022	8:35 AM	9:35 AM	Track 2; Online	Lab data & Process Control	1B - Wastewater Treatment (Hybrid)	David Stoops
6/8/2022	8:35 AM	9:35 AM	Track 3	Laboratory Documentation	1C - Treatment	Lori Zboralski
6/8/2022	8:35 AM	9:35 AM	Track 4	Protecting Your Motors on VFD Applications	2B - Pump Stations	Robert Hansen
6/8/2022	8:35 AM	9:35 AM	Track 5	Using GIS for Sewer Utilities	2C - Collection & Distribution Systems	Peter Keum
6/8/2022	9:35 AM	10:15 AM	General	Vendor Show		
6/8/2022	10:15 AM	11:15 AM	Track 1; Online	The Science of Water and Wastewater Treatment Polymer Activation	1A - Water Treatment (Virtual)	Yong H. Kim
6/8/2022	10:15 AM	11:15 AM	Track 2; Online	Key points of the BOD analysis	1B - Wastewater Treatment (Hybrid)	Erika Schwender
6/8/2022	10:15 AM	11:15 AM	Track 3	The Biodryer: A Solution to All Your Biosolids Handling Needs?	1C - Biosolids	Elizabeth Goltiao
6/8/2022	10:15 AM	11:15 AM	Track 4	Pump Control Valves	2B - Pump Stations	Robert Velasquez
6/8/2022	10:15 AM	11:15 AM	Track 5	Smart Level Monitoring	2C - Collection & Distribution Systems	Brogan Quist
6/8/2022	11:15 AM	12:15 PM	General	Lunch Break		
6/8/2022	12:15 PM	1:15 PM	Track 1; Online	Sharpening Asset Management Strategies for Water Utilities	1A - Asset Management (Hybrid)	Chris Guest
6/8/2022	12:15 PM	1:15 PM	Track 2; Online	Emerging Solids Technologies	1B - Wastewater Treatment (Hybrid)	Chris McCalib
6/8/2022	12:15 PM	1:15 PM	Track 3	Facility Planning For More Than Capacity	1C - Utility Management	Casey Gish
6/8/2022	12:15 PM	1:15 PM	Track 4	Predicting Bearing Failures in Pumps using Vibration Analysis	2B - Pump Stations	Patrick Patterson
6/8/2022	12:15 PM	1:15 PM	Track 5	Ductile Iron Pipe	1C - Ductile Iron Pipe	
6/8/2022	12:15 PM	12:45 PM	Track 5	Thrust Restraint for Ductile Iron Pipe (Half Hour)	1C - Ductile Iron Pipe	Josh Blount
6/8/2022	12:45 PM	1:15 PM	Track 5	How to Differentiate Between Cast Iron and Ductile Iron Pipe (Half Hour)	1C - Ductile Iron Pipe	Josh Blount
6/8/2022	1:15 PM	1:45 PM	General	Vendor Show		
6/8/2022	1:45 PM	2:45 PM	Track 1; Online	Advancements in electronic O&M Manual development	1A - Asset Management (Hybrid)	Ed Griffenberg
6/8/2022	1:45 PM	2:45 PM	Track 2; Online	Sludge Minimization Technologies	1B - Wastewater Treatment (Hybrid)	Jerod Swanson
6/8/2022	1:45 PM	2:45 PM	Track 3	Using Data Analytics to Make Informed Water Infrastructure Maintenance Decisions	1C - Utility Management	Mike Uthe
6/8/2022	1:45 PM	2:45 PM	Track 4	Pump Performance Assessment and Predictive Maintenance	2B - Pump Stations	Brandon Moss
6/8/2022	1:45 PM	2:45 PM	Track 5	Anatomy of a Service Lateral	2C - Collection & Distribution Systems	Mike McLeod
6/8/2022	2:45 PM	2:50 PM	General	Break		
6/8/2022	2:50 PM	3:50 PM	Track 1; Online	Extending the useful life of your existing concrete tank infrastructure	1A - Asset Management (Hybrid)	Nick Belmont
6/8/2022	2:50 PM	3:50 PM	Track 2; Online	Industrial Wastewater Nutrient Removal	1B - Wastewater Treatment (Hybrid)	Ben W McConkey
6/8/2022	2:50 PM	3:50 PM	Track 3	Utility Management	1C - Utility Management	
6/8/2022	2:50 PM	3:20 PM	Track 3	Making Capital Investment Decisions Using Portfolio Management (Half Hour)	1C - Utility Management	Crystal Fleet
6/8/2022	3:20 PM	3:50 PM	Track 3	Chlorine Supply Resiliency: The Unexpected (Half Hour)	1C - Utility Management	Qianru Deng
6/8/2022	2:50 PM	3:50 PM	Track 4	Riding the Wave: Introduction to Hydraulic Transient Analysis	2B - Pump Stations	Brandon Moss
6/8/2022	2:50 PM	3:50 PM	Track 5	Air Valve Operation, Selection, and Sizing	2C - Collection & Distribution Systems	Robert Velasquez
6/8/2022	3:50 PM	4:00 PM	General	Wrap Up		