June 21st, 22nd, 23rd, 28th, and the 29th.

Tuesday, June 21, 2022			
	7:45-8:00am		**Opening Announcements**
#1	8:00-9:00am	Title:	An overview of the American Water Works Association (AWWA)
		Presenter:	Michelle Cheek
		Company/Organization:	City of Portland
		Brief Description:	Michelle will be providing an overview of the American Water Works Association (AWWA) as well as opportunities and benefits of getting involved at the local level through the Pacific Northwest Section and subsections.
	9:00-9:10am		**BREAK**
#2	9:10-10:10am	Title:	Vibration Analysis Introduction
		Presenter:	Greg Brown
	Assigned to:	Company/Organization:	Ititechnologies
		Brief Description:	
	10:10-10:25am		**BREAK**
#3	10:25-11:25am	Title:	**Fundamentals of Producing Ultra High Purity Water**
		Presenter:	Greg Carr
	Assigned to:Bill	Company/Organization:	CCC
		Brief Description:	This session will discuss what high purity water is, why it is needed and for what purposes, who uses it, and how you can achieve ultra high pure water using various techniques including reverse osmosis.
	11:25-11:35am		**BREAK**
#4	11:35am-12:35pm	Title:	**Restoring Water System Confidence with CIPP**
		Presenter:	Brendan O'Sullivan
	Assigned to: Bill	Company/Organization:	Murraysmith
		Brief Description:	critical water main in their distribution system. Installed in 1947, the water main was identified for rehabilitation/replacement by the 2007 Water Master Plan as it was reaching the end of its design life. The 560-foot-long section of existing 30-inch diameter welded steel water main is an important backbone of the water distribution system, providing redundancy and supply to the industrial area in the south-central neighborhood of the City. Utilizing CIPP lining technology and open cut construction methods, the City rehabilitated and replaced the ageing steel waterline in and adjacent to Pringle Creek, including a portion that ran beneath a 100-foot wide railroad bridge and associated easement. This presentation discusses how the team overcame challenges during design, permitting, and construction to return system confidence while minimizing project footprint and reducing environmental impacts.Presentation is a case study for waterline rehabilitation and describes process of design, technical product evaluation, permitting, operational considerations, and lessons learned from the successfully delivery of the project. The design process engaged both the engineering and operational staff at the City to ensure that decision making included relevant perspectives and concerns related to system reliability, operational control, and future maintenance.
Wednesday, June 22, 2022			
	7:45-8:00am		**Opening Announcements**
#5	8:00-9:00am	Title:	**Basics of SCADA for Water Utilities**
		Presenter:	Greg Carr
	Assigned to:	Company/Organization:	CCC
		Brief Description:	This session will go over the basics of supervisory control and data acquisition (SCADA) and how it is becoming increasingly important for operators to understand how SCADA works and how to program PLC's.
	9:00-9:10AM		**BREAK**
#6	9:10-10:10AM	Title:	**Checking In With Check Valves: Design and Selection**
		Presenter:	Steve Causseaux
	Assigned to:	Company/Organization:	Cimco-GC Systems
		Brief Description:	

	10:10-10:25AM		BREAK
#7	10:25-11:25AM	Title:	**System for Municipal Irrigation**
		Presenter:	Ronan Igloria
	Assigned to:	Company/Organization:	GSI Water Solutions, Inc.
		Brief Description:	
	11:25-11:35AM		BREAK
#8	11:35AM-12:35PM	Title:	**Seismic Resiliency for WWSP**
		Presenter:	Mike Britch
	Assigned to:	Company/Organization:	Willamette Water Supply Program
		Brief Description:	The Willamette Water Supply Program (WWSP) has been working to integrate seismic resiliency into its projects in a variety of ways. Projects include both pipelines and facilities. This resiliency thinking also extends into operational planning as well that is incorporated as part of the design. These types of activities are relatively uncommon in the water industry where constructive seismic standards and guidelines are scarce. This presentation describes how planning for seismic resiliency has been spread through different aspects of a project from initial conception, to design, into construction, and ultimately considered as part of long-term operational planning.
Thursday, June 23, 2022			
	7:45-8:00am		
#9	8:00-9:00am	Title:	**Fundamentals of Surface and Groundwater Contaminants**
	Assigned to:	Presenter:	Jim Nurmi
		Company/Organization:	CCC
		Brief Description:	This presentation will go over the basics of water contamination focused on surface and groundwater systems and their differences. We will also look at new contaminants that might impact water treatment in the future.
	9:00-9:10AM		BREAK
#10	9:10-10:10AM	Title:	**SCADA and Water Operations Security Issues**
		Presenter:	Greg Carr
	Assigned to:	Company/Organization:	CCC
		Brief Description:	This session will go over SCADA related security issues, examples of water operation security breaches and solutions.
	10:10-10:25AM		BREAK
#11	10:25-11:25AM	Title:	**Update on Oregon Cross Connection Control Program**
		Presenter:	Molly Keller
	Assigned to:	Company/Organization:	OHA
		Brief Description:	Update on Oregons Cross Conection Control Program and new information.
	11:25-11:35AM		BREAK
#12	11:35AM-12:35PM	Title:	**System Water Quality Optimization Task Force**
		Presenter:	Tara Vanderwey
	Assigned to:	Company/Organization:	TVWD

		Brief Description:	TVWD formed a WQ Optimization Task Force to address problem areas in the distribution system and make targeted improvements on an ongoing basis. The goal of this effort is to utilize staff from multiple departments to make measurable, day-to-day improvements to the system while planning for the Willamette Water Supply System Integration (WWSSI) in 2026. This presentation will demonstrate how the Task Force has tackled a few areas in TVWD's distribution system and discuss some of its successes and challenges.
Tuesday, June 28, 2022			
	7:45-8:00am		**Opening Announcements**
#13	8:00-9:00am	Title:	**Novel SCADA Training Modules for the Water Industry and Others**
		Presenter:	Abe Fouhy
	Assigned to:	Company/Organization:	CCC/CREATE
		Brief Description:	NSF funded grant CREATE is distributing novel SCADA modules for training applications for the water and other industries. See a demonstration and training modules in action during this live presentation.
	9:00-9:10am		**BREAK**
#14	9:10-10:10am	Title:	**Extending the Life of Your Concrete Tanks**
		Presenter:	Daniel Gancher
	Assigned to:	Company/Organization:	DN Tanks
		Brief Description:	This presentation will walk you through the many ways in which you can extend the useful life of existing concrete tanks in your system, through the processes of condition assessment, repairs and retrofits.
	10:10-10:25AM		**BREAK**
#15	10:25-11:25am	Title:	**Ritz Safety**
		Presenter:	Greg Mcdonald
	Assigned to:	Company/Organization:	Ritz Safety

		Brief Description:	
	11:25-11:35am		**BREAK**
#16	11:35am-12:35pm	Title:	**Calculating Contact Times for your Water System**
		Presenter:	James T. Nurmi
	Assigned to:	Company/Organization:	CCC
		Brief Description:	CT's, what are they good for? It is critically important to understand why contact times are important, what water chemistry variables change CT's, how to calculate CT's, and what to do if you are below the required CT's. We will cover all of these topics and look at monitoring CT and CT trends.
Wednesday, June 29, 2022			
	7:45-8:00am		**Opening Announcements**
#17	8:00-9:00am	Title:	**New Filtration Project under JWC**
		Presenter:	Chris Wilson/Todd
	Assigned to:	Company/Organization:	JWC
		Brief Description:	This session will discuss the variables needed for the design and application of new water filters for producing potable water.
	9:00-9:10am		**BREAK**
#18	9:10-10:10am	Title:	**Needs**
		Presenter:	Kahlil Howell
	Assigned to:	Company/Organization:	TVWD
		Brief Description:	This information will assist water providers with useful tools on how to optimize management of a cross connection program and the related backflow testing requirements through multiple phases, including enforcement and compliance. Although cross connection contamination events are rare, they have the potential to have serious adverse impacts on public health and the water utility's trust with the public. Communicating with customers and the general public has become more challenging and divisive. This presentation will outline how using web-based software and regular communication to the public agencies can streamline some of the repetitive tasks involved, such as backflow test report submission, data management, and targeted notifications to customers. The end result streamlines the enforcement process with fewer customers having services interrupted for non-compliance while achieving greater public health protection for the community.
	10:10-10:25am		
#19	10:25-11:25am	Title:	Service Line Inventory Requirements of the LCRR (Lead and Copper Rule Rev
		Presenter:	Kari Salis
	Assigned to:	Company/Organization:	OHA-DWS
		Brief Description:	An inventory of all public and private service lines is required to be completed by October 2024. Learn what data must be gathered, what methods will be allowed, and what assistance is available.
	11:25-11:35am		**BREAK**
#20	11:35-12:35am	Title:	**JWC Water Treatment Plant Expansion Projectign**

		Presenter:	Chris Wilson/Todd
	Assigned to:	npany/Organization:	JWC
		Brief Description:	This session will give an update on the very large JWC water treatment expansion project. The history and timeline leading up to this project will be focused on.