

2019 ANNUAL CONFERENCE: THE BATTLE BETWEEN FIRE AND WATER

October 9th to 11th, 2019 Sun Valley Resort, Sun Valley Idaho

Schedule at a Glance

Date	Topic	Subtopic	Time	Presenter Last Name	Affiliation / Company	Presentation Title
Wednesday, October 9, 2019	A. Opening General Session	Source Water Protection	9:30 AM	Styler	Retired, Past Director Utah Department of Natural Resources	The Watershed Restoration Initiative: A Partnership-based Program To Improve High Priority Watersheds
	Infrastructure	Pipelines	11:15 AM	Blount	Ductile Iron Pipe Research Association	Corrosion and Its Control for Ductile Iron Pipelines
			1:00 PM	Dabling	Jacobs Engineering	Old Pipe, New Tricks: A Pragmatic Approach to Partially Deteriorated Pipeline Rehab Design
			1:30 PM	Johnson	McWane Ductile	Recent Developments to Improve Pipeline Corrosion Protection: The 2019 Design Decision Model (DDM)2
			3:00 PM	Winbourn	Fracta	Applying Artificial Intelligence to Water Main Condition Assessments To Support GASB 34's Modified Approach
			3:30 PM	Willeitner	Jacobs Engineering	CFD Modeling from Pipelines to Treatment Plants
			Operations	Distribution	11:15 AM	Huish
	1:00 PM	Johnson			Badger Meter	Water Meter Sizing & Selection
	1:30 PM	Nelson			Infinity Corrosion Group, Inc. (ICG)	Utilizing Indirect Inspection Techniques to Perform Targeted Condition Assessments and Repairs on Metallic Water Pipelines
	2:00 PM	Denos			Epic Engineering	Replacing Culinary Waterlines - When and How
	2:30 PM	Nielsen			J-U-B Engineers	Well Performance and Maintenance
	3:00 PM	Randall			Centerville City Public Works	Small-Scale Water System Demonstration: How to become more efficient and reduce risk in your water system
	4:00 PM	Carlisle			Mueller Company	Pressure Monitoring and Leak Detection
	4:30 PM	Jones			Hansen, Allen & Luce, Inc.	Practical Applications of an Hydraulic Model
	Utility Management	Human Resources	11:15 AM	Yates	Central Utah Water Conservancy District	Developing and Implementing a Comprehensive Strategic Workforce Management Plan from Recruitment to Retirement
			1:00 PM	Hardy	Central Utah Water Conservancy District	Using Performance Evaluations to Improve Individual Performance
			1:30 PM	Helm	Granger-Hunter Improvement District	Moving an Organization From "That's the Way We've Always Done It" to One That Embraces Change.
			3:00 PM	Rau	Central Utah Water Conservancy District	Why Cognitive Diversity Matters - A Group Problem-Solving Exercise
			3:30 PM	Amparo-Espinoza	Jordan Valley Water Conservancy District	Your Most Important Assets: How to Develop Them and Why
	Water Quality	Process Design & Operati	11:15 AM	Carlson	Carollo Engineers	Fire's Impact to Watershed Spark Process Upgrades to Direct Filtration Plant
			1:00 PM	Crawford	Central Utah Water Conservancy District	3 Water Treatment Plants 5 Reservoirs and 22 River Sample Sites
			1:30 PM	Dye	WesTech Engineering, Inc.	Small-Scale Ultrafiltration Systems: Design Challenges, Technology Advancements, and Case Studies
			3:00 PM	Kim	UGSi Solutions, Inc.	Polymer 101 - Chemistry, Handling and Storage, Dilution Water, Optimized Mixing
			3:30 PM	Vandenberg	Stantec Consulting Services, Inc.	Solids Management: Low Tech and High Tech Solutions
	Water Resources	Water Supply / Planning	11:15 AM	Harding	Jacobs Engineering	Developing Your Integrated Water Resources Plan
			1:00 PM	Larson	Bowen Collins & Associates	Is There a Water Supply Camelot? Navigating the USBR Contingency Plan Process and Slaying the Dragon of Drought
			1:30 PM	Davis	Barr Engineering	Provo Aquifer Storage and Recovery the Path to a Long Term Sustainable Water Supply
			3:00 PM	Lindburg	Brown and Caldwell	What Can We Learn from Our Neighbors? Colorado's Approach to Stakeholder Collaboration in River Basin Planning.
			3:30 PM	Young	Brown and Caldwell	Will Your Utility Meet the New Regional Conservation Goals? Learn how a Large Public Water Supplier Answered this Question.

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Thursday, October 10, 2019	A. Thursday General Session	Source Water Protection	9:00 AM	Lund	US Forest Service	Taming a Force of Nature: Wildland Fire Management
	Design & Construction	Large Projects	9:45 AM	DeKorver	Bowen Collins & Associates	Bedrock Aquifer Enhancement
			10:15 AM	Nelson	Bowen Collins & Associates	Southwest Aqueduct Reach 1 - Overcoming Design and Construction Challenges
		Treatment Plants	11:30 AM	Osborn	J-U-B Engineers	Upgrading a Microfloc Plant to Membranes
			12:00 PM	Peters	Stantec	Unlocking Potential Treatment Capacity and Reducing Capital Cost
	Technology	Water Quality Technology & Policy	9:45 AM	Domonoske	Carollo Engineers	South Jordan's DPR Demonstration Project: A Critical First Step Towards Direct Potable Reuse in Utah
			10:15 AM	Hartvigsen	Epic Engineering, P.C.	Water Reuse; the New AWWA Standard
			11:30 AM	Macauley	Utah Division of Drinking Water	Fluoridation Facilities - Design and Operation Considerations & Lessons Learned
			12:00 PM	Nishihara	Stantec Consulting Services, Inc.	What's Next for PFAS and Gen-X?
	Utility Management	Business Practices	9:45 AM	Keller	Zions Public Finance, Inc.	Innovative New Financing Alternatives for Idaho and Utah
			11:30 AM	Grayson	Brown and Caldwell	Tools to Keep a CIP Relevant Amidst Continual Change
		Emergency & Risk	10:15 AM	Child, Brian	Olympus Insurance Agency	Will your organization be prepared for a major earthquake?
			12:00 PM	Child, Darrell	Olympus Insurance Agency	When Water Delivery Fails
	Water Quality	Distribution Water Quality	9:45 AM	Johnson	J-U-B Engineers, Inc.	Responding to Customer's Drinking Water Quality Concerns: A Risk Mitigation In Action
			10:15 AM	McLean	Jordan Valley Water Conservancy District	Achieving Enhanced Water Quality with a New 12.5 MG Baffled Reservoir
			11:30 AM	Rhodes	UGSi Solutions, Inc.	THMs after the Fire: Water storage tanks a smart and active agent in the management and improvement of water quality
			12:00 PM	Wolohan	Barr Engineering Company	PFAS Water Treatment Study: Comparison of GAC to Single-Pass Ion Exchange
	Water Resources	Source Water Protection	9:45 AM	Dominick	Hazen and Sawyer	Building Partnerships with Agriculture to Protect Source Waters
			10:15 AM	Rogers	Winecup Gamble Ranch	Winecup Gamble Ranch: Watershed Restoration and Sustainability at its Best!
			11:30 AM	Olsen	Bowen Collins & Associates	Brianhead Fire Flood Mitigation within Parowan City, Utah
12:00 PM			Williams	Idaho DEQ	Idaho Source Water Protection Collaborative: Its Your Drinking Water. Lets Protect It.	

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Friday, October 11, 2019	Design & Construction	Bidding/Construction	9:30 AM	Marti	Granger-Hunter Improvement District	How to Save Time & Money: Creating Standard Plans to Streamline the Plan Approval Process
			10:00 AM	Perry	COP Construction	Construction Cost Escalation, Labor Shortages, Schedule Creep...What's an Owner to do?
			10:30 AM	Thomas	Stanley Consultants	Construction Contractor Pre-Qualifications
	Technology	Operations	9:30 AM	Brenchley	Brown and Caldwell	City of West Jordan SCADA Master Plan & Implementation
			10:00 AM	Brown	Salt Lake City Department of Public Utilities	Leveraging technology to increase project delivery, accountability and transparency.
			10:30 AM	Domonoske	Carollo Engineers	The Blue Plan-it® Operational Model Takes the Complexity out of Challenging Projects during Planning, Design, Training and Operations
	Utility Management	Emergency & Risk	9:30 AM	Elwell	ELWELL Consulting Group	How Do I Comply with AWIA of 2018 Risk & Resilience Requirements
			10:00 AM	King	The Langdon Group	Does your Strategic Plan allow for successful crisis communication?
			10:30 AM	LeMon	Barr Engineering	Responding to Water System Emergencies
			11:00 AM	Owens	Utah Division of Drinking Water	Lessons Learned from Emergency Situations
	Water Quality	Process Design & Operation	9:30 AM	Cram	Central Utah Water Conservancy District	Designing and Conducting a Successful Corrosion Coupon Study
			10:00 AM	DeBoer	Advanced Engineering and Environmental Services (Optimizing Treatment to Mitigate Corrosion in the Distribution System
			10:30 AM	Zalla	Jacobs	3Kings Water Treatment Plant: Maximizing Treatment Capability and Visual Appeal on a Constrained Site
	Water Resources	Water Use Data / Water Loss Control	9:30 AM	Cavanaugh	Cavanaugh & Associates, P.A.	Water Loss Validation: A new standard of practice
			10:00 AM	Lapin	City of Saratoga Springs	Saratoga Springs Fixed Network Implementation
			10:30 AM	Sowby	Hansen, Allen & Luce, Inc.	Most Numbers Start With 1: Validating Water Use Data with Benford's Law
Water Rights		11:00 AM	Budge	Racine Olson	Watering Idaho: The Snake River Plain Aquifer	