

The Ripple Effect: When Action Becomes Change

52ND BCWWA ANNUAL CONFERENCE & TRADE SHOW

Education Program At-A-Glance

Whistler, BC

TUESDAY, APRIL 30, 2024							
Fairmont Chateau	Macdonald	Frontenac A	Frontenac B	Frontenac C	Empress A	Empress B	Empress C
7:30	Buffet Breakfast						
Block 1							
8:00 - 9:45	Keynote Session: The Ripple Effect of Some Public Health Discourse: Beware of a Tsunami of Misinformation <i>Dr. Steve E. Hruddy</i>						
COFFEE BREAK							
Block 2/ Moderator	Robyn Casement	Ronan Deane	Peggy Chen	Carlye Ip	Joyce Chang	Dave Belomy	
Stream	WATER SUSTAINABILITY/ DROUGHT MANAGEMENT	INFRASTRUCTURE RESILIENCY	UTILITY MANAGEMENT	PIPE REHABILITATION	WASTEWATER - ANAEROBIC DIGESTION	STORMWATER/ INFLOW & INFILTRATION	
10:00 - 10:30	Metro Vancouver Regional Water Innovation Landscape <i>Nina Bader - Foresight Canada</i>	Quantifying Resilient Performance of Urban Water Supply Systems <i>Aina Crozier - University of British Columbia</i>	100 Years as a Water Utility: The Evolution of Our Infrastructure <i>Joel Melanson - Metro Vancouver</i>	Rehabilitating Non-Circular Sewers with Cured-in-Place Pipe <i>George Bontus - Insituform Technologies</i>	Organics Diversion and Anaerobic Co-Digestion to Achieve a Circular Economy <i>Mohammad Shallouf - Anaergia</i>	Balancing Flood Conveyance and Fish Habitat Design in a Steep Urban Stream: A Case Study of the Pentiction Creek Restoration <i>Joel Sawatzky - Stantec Consulting</i>	
10:30 - 11:00	Once Through Cooling Prohibition: Lessons Learned in Program Development and Implementation <i>Darren Perrett - City of Vancouver</i>	Building Resilience: An Operator's Journey in Replacing a Critical Healthcare Facility's Large Water connection <i>Sam Anderson - Capital Regional District</i>	The North Shore Conveyance Project's Successful Design-Build Collaboration with Metro Vancouver <i>Gurjit Sangha - WSP</i>	Installing Otherwise Unmanageable CIPP Liners Using Over the Hole Technology <i>George Bontus - Insituform Technologies</i>	Increasing Anaerobic Digestion Capacity: Different Strategies and Their Implications <i>Cameron Macdonell - Associated Engineering</i>	Sinkhole to Fishway: Emergency Response as a Pathway to Resilience <i>Andrew Kolper - Kerr Wood Leidal</i>	
11:00 - 11:30	Behavioural Insights for Drought Management <i>Alan Shapiro - Shapiro & Company</i>	Innovative Design and Construction of Geohazard or Seismic Resistant Steel Pipe <i>Richard Mielke - Northwest Pipe</i>	Implementing Universal Metering – You Don't Know What You Don't Measure <i>Nicholas Van Dalen - District of Lake Country</i>	AM Planning at the Sechelt Water Resource Centre <i>Jaimie Sokalski - Associated Engineering</i>	Challenging the Retention Time of Municipal Anaerobic Digestion by Using Thermal Hydrolysis Pre-treatment <i>Bill Barber - Cambi</i>	Mill Creek Diversion: Flood Protection at City of Kelowna; Engineering & Construction <i>Ali Malekian - CIMA+</i>	
AWARDS LUNCH							
Block 3/ Moderator	Shawn Corrigan	Zane Spencer	Donovan Klassen	Megan Kot	Stuart Fretwell	Alison Chan	
Stream	WATER QUALITY	OPERATIONAL/ SCADA	UTILITY MANAGEMENT	GENERAL PUBLIC AWARENESS	WASTEWATER COLLECTION	WASTEWATER - RESIDUALS MANAGEMENT	
1:30 - 2:00	Data Science and Process Behind the Burrard Inlet Water Quality Objectives <i>Jessica LeNoble - Kerr Wood Leidal</i>	It is Hard to be a "Smart" Smart City <i>Dave Belomy - ADS Environmental Technologies</i>	Emergency Preparedness During Wildfires: An Operator's Perspective <i>Warren Brown - Lytton First Nation</i>	AWWA's 2030 Strategic Plan - A Worldwide Path Forward <i>Keith Kohut - Associated Engineering</i>	Upgrades of Existing Wastewater Collection Facilities – A Case Study <i>Alexander Jancker - Associated Engineering</i>	Efficient Wastewater Facility Registration Under the MWR <i>Paul Markin - Kerr Wood Leidal</i>	
2:00 - 2:30	Provincial Leadership in Drinking Water and Watershed Protection <i>Meghan McKee - Government of British Columbia</i>	Why Hydrometric Data is Critical to Managing Water in the Okanagan Water Basin <i>Everett Adams - Aquatic Informatics</i>	The Value of Construction Management in Project Delivery <i>Thomas Bekenn - RAM Consulting</i>	Playing the EDI Long Game: Recruiting and Retaining Women Professionals <i>Quinn Crosina - Associated Engineering</i>	Golden Ears Pump Station and Sanitary Sewage Overflow Tank – Design and Construction <i>Reno Fiorante - Stantec Consulting</i>	Achieving Cold Weather Biological Nutrient Removal with Aerobic Granular Sludge <i>Paula Dorn - Aqua-Aerobic System</i>	
2:30 - 3:00	Safeguarding Our Water Through Cross Connection Control <i>Paul Allen - BCWWA Committee Member</i>	SCADA: Making Sense of the Nonsensical <i>Matthew Sider - WSP</i>	The Use of Subsurface Utility Engineering in your Infrastructure Design <i>Ophir Wainer - GeoScan Subsurface Surveys</i>	The EOCP: We're on Track with our Strategic Priorities! <i>Kajlpa Solanki - Environmental Operators Certification Program</i>	Wakefield Sanitary Lift Station Upgrades <i>Luc Harvey - McElhanney</i>	The Carbon Footprint of Producing Biogas and Biomethane from Municipal Sludge Digestion <i>Bill Barber - Cambi</i>	
COFFEE BREAK							
Block 4/ Moderator	Leigh Borrett	Jeffery Phillips	Miles Yi	Satej Kulkarni	Michael Florendo	Rushat Agarwal	
Stream	WASTEWATER	WATER DISTRIBUTION	DRINKING WATER SOURCE & PROTECTION - ALGAE	STORMWATER/ INFLOW & INFILTRATION	WASTEWATER CONVEYANCE	WASTEWATER - RESIDUALS MANAGEMENT	
3:15 - 3:45	Evaluating How Wastewater Treatment Plant Characteristics Impact Phosphorous Recovery Viability <i>Jack Euclide - Evoqua, Xylem</i>	Being Prepared, a Review of a 24-inch CCP Emergency Repair <i>Dave Brewer - USC WEST</i>	Some Like it Hot! Actions to Address Algae Issues <i>Dorte Koster - Associated Engineering</i>	Richmond's Dike Upgrades: Climate Change Adaptation in An Urban Island <i>Simon Kras - WSP Canada</i>	Fraser River Forcemain Crossing <i>Joel McAllister - Onsite Engineering</i>	Is Hydrothermal Liquefaction a Feasible Alternative for Managing Wastewater Solids? <i>Lillian Zaremba - Metro Vancouver</i>	
3:45 - 4:15	A Purer, Viable, Future: Treatment of ARD (Acid Rock Drainage) to Howe Sound <i>David Griffiths - EPCOR</i>	Metro Vancouver Newton Tunneling and Reservoir Upgrades, Tunneling Under Live Reservoir <i>Phil Cook - WSP Canada</i>	Predictive Modeling of Harmful Algae Blooms in Source Water Reservoirs <i>Donovan Klassen - Carollo Engineers</i>	Analysis of Sediment Depth from Inspections of Oil-Grit Separators <i>Joel Garbon - Imbrium Systems</i>	Willow Trunk – A Watershed-wide Solution for CSO Management <i>Mike Lam - GHD</i>	Hydrothermal Liquefaction: A Promising Solution for Sustainable Municipal Sludge Management <i>Ibrahim Alper Basar - University of British Columbia</i>	
4:15 - 4:45	The Value of Control System Assessments <i>Bart Nelissen - MPE, a division of Englobe</i>	Water Loss Reduction Using Pressure Management and Active Leak Detection <i>Jody Mala - CB Process Instrumentation & Controls</i>		Design Storm Analysis and Climate Change Impacts <i>Allyson Bingeman - GHD</i>	Eliminating Infiltration and Inflow Via Pressure Sewer Systems <i>Jill Davis - Environment One Corporation</i>	Optimizing Aerobic Digester Design and Operation for Biosolids Stabilization <i>Jason Leong - Associated Engineering</i>	