

**TECHNICAL PROGRAM**

**ACWWA 2018 - Sydney (September 16 to 18)**

<b>Monday, Sep 17</b>	<b>10:15 - 11:00</b>	<b>11:00 - 11:45</b>
<p><b>Technical Session: A1</b></p> <p>Room: Jenu</p>	<p>Managing &amp; Motivating Millennials</p> <p><i>Robyn Tingley, GlassSKY Inc.</i></p>	<p>Why Diversity Matters</p> <p><i>Randy Newman, Department of Psychology, Acadia University</i></p>
<p><b>Technical Session: A2</b></p> <p>Room: Kluskap C</p>	<p>Long-term Monitoring for Ecosystem-based Management of CBRM Water Supply Areas: Forest Soil Chemistry</p> <p><i>Thomas Bouman, Cape Breton University and Anthony Mazzocca, Cape Breton Regional Municipality</i></p>	<p>Evaluating Long-Term Reservoir Water Quality Trends Using Sediment Chemistry and Historical Invertebrate Abundance at CB</p> <p><i>Dewey Dunnington, Dalhousie University</i></p>
<p><b>Technical Session: A3</b></p> <p>Room: Kluskap D</p>	<p>Northwest Arm Sewer Rehabilitation and Sullivans Pond Storm Sewer System Replacement</p> <p><i>David Ellis, Halifax Water</i></p>	<p>Valve Solutions for Best Performance and Longest Life of Pumping Systems</p> <p><i>John Skalla, DeZurik</i></p>

<b>Monday, Sep 17</b>	<b>1:30 - 2:00</b>	<b>2:00 - 2:30</b>	<b>2:30 - 3:00</b>
<p><b>Technical Session: B1</b></p> <p>Room: Jenu</p>	<p>Jones Lake Spillway &amp; West Main Street Culvert Renewal Project</p> <p><i>Lisa Grasse and Darryl Bonhower, Crandall Engineering Ltd and City of Moncton</i></p>	<p>Management of a Watermain Rehabilitation Program: City of Toronto Case Study</p> <p><i>Stewart Dickson, WSP Canada Inc</i></p>	<p>Peninsula Halifax Transmission Main Renewal</p> <p><i>Kevin Healy, Halifax Water</i></p>
<p><b>Technical Session: B2</b></p> <p>Room: Kluskap C</p>	<p>*Working Towards a First Nations Owned &amp; Operated Water Utility in Atlantic Canada: Atlantic First Nations Water Authority</p> <p><i>James MacKinnon, Atlantic Policy Congress of First Nations Chiefs Secretariat</i></p>	<p>Drinking Water Security - Bras d'Or Lakes First Nations</p> <p><i>Andrew Lafford, NSCC</i></p>	<p>Understanding Water Mgmt Risks &amp; Challenges in Atlantic First Nations Communities Using a Water Safety Planning Tool</p> <p><i>Kaycie Lane, Dalhousie University</i></p>
<p><b>Technical Session: B3</b></p> <p>Room: Kluskap D</p>	<p>UV LEDs for Point Use Drinking Water Treatment, A Pilot Study in Pond Inlet</p> <p><i>Stephanie Gora, Dalhousie University and Tim Anaviapik Soucie, Hamlet of Pond Inlet</i></p>	<p>Manganese Treatment in Groundwater Supplies - Case Studies</p> <p><i>Mike Chaulk, CBCL Limited</i></p>	<p>Filter Assessment Techniques for Water Utilities &amp; Case Studies</p> <p><i>Devin MacAskill, Cape Breton Regional Municipality</i></p>

Monday, Sep 17	3:15 - 3:45	3:45 - 4:15	4:15 - 4:45
<b>Technical Session: C1</b>  <b>Room: Jenu</b>	Future Ready: Considering Trends in Climate, Society, Technology & Resources in the Design of Infrastructure  <i>Patrick Lewis and Anna Robak, WSP Canada Inc.</i>	*Climate Change and Floodplain Mapping: A Case Study on the Waterford River  <i>Lindsay Wilcott and Jennifer Bursey, CBCL Limited</i>	Forming a Climate Change Management Framework  <i>Megan Blackburn, GM BluePlan Engineering Limited</i>
<b>Technical Session: C2</b>  <b>Room: Kluskap C</b>	*Investigating Drinking Water Lead Concentrations at the Tap Using Proposed Health Canada Guideline for the Province of Nova Scotia  <i>Javier Locsin, Dalhousie University</i>	Design & Implementation of Lead Sampling Program for Drinking Water & Corrosion Control Mon. Programs  <i>James MacDonald, AGAT Labs</i>	*Bench-scale Evaluation of Silicate-based Corrosion Inhibitors on Lead Release Control & Water Quality  <i>Bofu Li, Dalhousie University</i>
<b>Technical Session: C3</b>  <b>Room: Kluskap D</b>	Rapid Assessment of Chemical Oxygen Demand in Water and Wastewater: A Technical Demonstration  <i>Maggie Grierson, Mantech Inc.</i>		

Tuesday, Sep 18	2:00 - 2:30	2:30 - 3:00	3:00 - 3:30
<b>Technical Session: D1</b>  <b>Room: Jenu</b>	Turning the Tide on Water Treatment: Lake Food Webs & Water Quality  <i>Kellie White, Cape Breton University</i>	Halifax Water Customer Assistance Programs  <i>Cathie O'Toole, Halifax Water</i>	Cyber Security - What You Don't Know Will Hurt You  <i>Carl Yates, Halifax Water</i>
<b>Technical Session: D2</b>  <b>Room: Kluskap C</b>	CBRM Enjoying the Good Things Efficiency Brings  <i>Kaelan Keys, Efficiency Nova Scotia</i>	Charlotte Water Biosolids Masterplan and Market Analysis  <i>Jacqueline Jarrell, Charlotte Water</i>	Municipal Asset Data Collection & Data Management Best Practices  <i>Kelsey Green and Don Partington, WSP Canada Inc</i>
<b>Technical Session: D3</b>  <b>Room: Kluskap D</b>	What You Need to Know About Health Canada's Upcoming Guideline Changes: Lead, Manganese and Cyanobacterial Toxins  <i>Krysta Montreuil, Nova Scotia Environment</i>	Do Not Consume - How Prepared is Your Utility  <i>Julie Stokes, City of Moncton</i>	Assessment of Cyanobacteria Treatment Options: An Atlantic Canada Water Treatment Plant Perspective  <i>Melissa Fraser, CBCL Limited</i>

<b>Tuesday, Sep 18</b>	<b>3:45 - 4:15</b>	<b>4:15 - 4:45</b>	<b>4:45 - 5:15</b>
<b>Technical Session: E1</b>  <b>Room: Jenu</b>	Get the Lead Out: Lessons Learned from the Early Days of Implementing a Comprehensive Lead Service Line Replacement Program  <i>Wendy Krkosek, Halifax Water</i>	Dealing with Water Quality Issues at Water-Storage Tanks  <i>John Eisnor, Halifax Water</i>	Sustaining Success: Management of a Water Loss Reduction Program in CBRM  <i>Greg Campbell, Cape Breton Regional Municipality and Ken Brothers, Hydrotech Consulting</i>
<b>Technical Session: E2</b>  <b>Room: Kluskap C</b>	Glace Bay Water System Master Plan  <i>Holly Sampson, CBCL Limited and Greg Campbell, Cape Breton Regional Municipality</i>	Pugwash Central Water Supply  <i>Patrick Lewis, WSP Canada Inc. and Justin Waugh-Cress, Municipality of Cumberland</i>	City of Charlottetown Miltonvale Water Supply Project  <i>Richard MacEwen, City of Charlottetown</i>
<b>Technical Session: E3</b>  <b>Room: Kluskap D</b>	Inflow & Infiltration Reduction in a Small Wastewater Collection System  <i>Glenn Woodford, DesignPoint Engineering &amp; Surveying</i>	Your Flow Monitoring Program is Established; Now What  <i>Bryan Bortolon, GM BluePlan Engineering Limited</i>	Key Issues for Water & Wastewater Systems at Parks Canada  <i>Dwayne Doucette, Parks Canada Agency</i>

\* Fresh Ideas presenters are a first time Young Professional participant at the ACWWA section conference presenting a water related topic, and will be considered for the Fresh Ideas program that has been developed through AWWA's Manufacturers/ Associates Council and the Young Professionals Committee. The top presentation selected from this group of presenters will be given the opportunity to compete in the Fresh Ideas poster competition at the AWWA Annual Conference and Exposition (ACE 2019) in Denver, Colorado representing the Young Professionals of ACWWA. Along with complimentary conference registration provided by the ACE 2019 organizing committee, ACWWA will provide the winner with a stipend to assist with travel costs to the conference.