

The Water Institute, University of Waterloo
Research Symposium 2016
Final Program
April 28, 2016

8:00-8:30	DC Atrium	Registration and Continental Breakfast	
Plenary			
8:30-9:00	DC 1350	Opening and Welcoming Remarks Aboriginal Student Association Dr. Roy Brouwer , Executive Director, The Water Institute	
9:00-10:30	DC 1350	Knowledge Co-Production: What Does it Mean in Practice? Dr. Rob de Loë , Professor, Environment, Resources & Sustainability (Chair) Ron Bonnett , President, Canadian Federation of Agriculture Theresa McClenaghan , Executive Director & Counsel, Canadian Environmental Law Association Penny Park , Executive Director, Science Media Centre of Canada	
10:30-11:00	DC Atrium	Morning Coffee and Networking Break	
Breakout Sessions: Innovative Scientific Approaches and Sectoral Perspectives			
11:00-12:30	Track 1 DC 1302	Track 1	Track 2
	Track 2 DC 1304	<i>Chaired by David Van Vliet, Vice-President, Water Resources, Matrix Solutions</i> Helen Powley , PhD Candidate, Earth & Environmental Sciences <i>Will the Mediterranean go anoxic in response to climate change?</i> Taylor Maavara , PhD Candidate, Earth & Environmental Sciences <i>Is hydropower really green? Modifications to the global carbon cycle by river damming</i> Dr. Juewen Liu , Professor, Chemistry <i>DNA-based biosensors for heavy metal detection</i> Dr. Don Cowan , Professor, Computer Science <i>Environmental decision support systems based on open data</i>	<i>Chaired by Dr. Margaret Insley, Professor, Economics</i> Dr. Roland Hall , Professor, Biology <i>Use of sediment cores from flood-prone lakes to assess pollution of rivers with metals: An example from downstream of Alberta oil sands development</i> Sara Aghakazemjourabbaf , PhD Candidate, Economics <i>An environmental bonding policy to ensure the cleanup of contaminated sites</i> Dr. Robert Case , Professor, Social Development Studies <i>Water, community, and public engagement: Lessons from two Canadian communities</i> Dr. Elizabeth English , Professor, Architecture <i>Thriving with water: The possibilities and practicalities of amphibious construction</i>
12:30-1:30	DC Atrium	Lunch and Research Poster Exhibition	



Emerging Scholars

1:30-2:00	DC 1350	<p>Three-Minute Theses Presentations</p> <p>Casey Remmer, MSc Candidate, Biology <i>Long-term monitoring in the Peace-Athabasca delta</i></p> <p>Sabrina Bedjera, MASc Candidate, Civil & Environmental Engineering <i>Predicting the removal of micropollutants in water treatment plants using ozonation</i></p> <p>Behrad Gharedaghloo, PhD Candidate, Geography & Environmental Management <i>Characterizing hydrocarbon contamination in shallow groundwater systems composed of peat</i></p> <p>Sean Morrison, MSc Candidate, Earth & Environmental Sciences <i>Unravelling lake level history at the last unregulated outlet in the Great Lakes</i></p> <p>Linda Li, MASc Candidate, Civil & Environmental Engineering <i>Treating domestic wastewater using anaerobic membrane bioreactors in cold regions</i></p> <p>Cheryl Chan, MES Candidate, Environment, Resources & Sustainability <i>Fish for our future: A community-based approach to marine conservation</i></p>
2:00-2:15	DC1350	<p>AECOM, Golder Associates and Stantec Graduate Scholarships</p> <p>Keegan Hicks, PhD Candidate, Biology</p> <p>Shabnam Mostofi Zadeh, PhD Candidate, Civil & Environmental Engineering</p> <p>Pieter Aukes, PhD Candidate, Earth & Environmental Sciences</p> <p>Allison Turner, MES Candidate, Environment, Resources & Sustainability</p> <p>Kimberley Murray, MSc Candidate, Geography & Environmental Management</p>

Plenary

2:15-3:30	DC 1350	<p>The Water Institute in the News</p> <p>Dr. Larry Swatuk, Professor, Environment, Enterprise & Development (Chair)</p> <p>Dr. Nandita Basu, Professor, Earth & Environmental Sciences and Civil & Environmental Engineering <i>Nutrient legacies in anthropogenic landscapes: Implications for water quality</i></p> <p>Dr. Heidi Swanson, Professor, Biology <i>Understanding and predicting mercury levels in northern food fishes with science, Indigenous knowledge, and field-based learning</i></p> <p>Dr. Monica Emelko, Professor, Civil & Environmental Engineering <i>Threats to global drinking water security from climate change</i></p>
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3:30-4:00	DC Atrium	Afternoon Coffee and Networking Break
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The Water Institute RBC Distinguished Lecture 2016

4:00-4:20	DC 1350	<p>2015/16 RBC Water Scholarships</p> <p>John Clifford, Vice President, Commercial Financial Services, RBC Royal Bank</p> <p>Paul Ledingham, Regional Vice President, KW Market, RBC Royal Bank</p>
4:20-5:30	DC 1350	<p>RBC Distinguished Lecture</p> <p><i>Water and Sustainability - 21st Century Realities and the Global Groundwater Crisis</i></p> <p>Dr. Jay Famiglietti, Professor, University of California (Irvine) and Senior Water Scientist, California Institute of Technology</p>
5:30- 7:00	DC Atrium	Reception and Research Poster Exhibition