



## 2017 Conference Schedule

---

Sunday, June 11<sup>th</sup>

Delegate Meet and Greet

Location: UBC

12PM – 4PM

Campus Tour

The tour of UBC will focus on human relationships with water through visits to the Botanical Gardens, Nitobe Garden, Centre for Interactive Research on Sustainability and Museum of Anthropology. Please register online as there is limited space available.

4PM – 6PM

Mixer

After the tour, we will head to Mahony & Son's Patio on UBC campus, an opportunity to meet and get to know other delegates before the conference begins.

Monday, June 12<sup>th</sup>

Conference Presentations – Day 1

Location: Performance Theatre at the AMS Nest

8AM – 9AM

Coffee & Registration

All of today's speakers should ensure that the latest version of their presentation is uploaded on the conference laptop.

9AM – 9:45AM

Opening Remarks & Keynote

Keynote by Jeff Carmichael of Metro Vancouver: "Holistic Planning: The Future of Water and Wastewater Management"

9:45AM – 10:30AM

Session A

Marcia Fromberg

UBC Integrated Waste Management Living Laboratory Update

Verenice Escamilla Rivera

Evaluation of Hydrological Services in a watersheds of the Frailesca Natural Protected Area, Chiapas, Mexico

Roya Bennett

Assessing Water Appropriation and Equity in two Colombian Watersheds

9:45AM-10:10AM

10:10AM-10:20AM

10:20AM-10:30AM

10:30AM – 11:00AM

Coffee Break

11:00AM – 12:30PM

Session B

Prapti Verma

Industrial and Urban Wastewater Recycling In India

Laurier Collette

Cryohydrogeology of a geotechnical cover in cold climate environment

Gillian Fuss

Hydrological and Landscape Controls on Turbidity within Watersheds

Kartikeya Gupta

Nutrient removal and Biofuel Production from wastewater by the microalga Chlorella vulgaris.

Ehssan Hosseini Koupaie

Assessment of overall energy recovery from Kelowna's raw and thermally-hydrolyzed sewage sludge via anaerobic digestion

11:00AM – 11:25AM

11:25AM – 11:35AM

11:35AM – 12:00AM

12:00AM – 12:10PM

12:10PM – 12:30PM

12:30PM – 1:30PM

Lunch

## 1:30PM – 3:00PM

Kibaek Lee

Stop Bacteria AI-2 chatting: A More Effective Anti-Biofouling Strategy in a Membrane Bioreactor for Wastewater Treatment

Keita Kume

Mitigation of membrane fouling caused by biopolymers by application of ultrafiltration

Armineh Azizi

Introducing a novel and highly efficient biological/advanced oxidation process for the removal of aromatic compounds

Brody Granger

The Fate of Mine Tailings in a Pristine Lake from a Catastrophic Spill

Shayna Scott

Assessing the Long-Term Effectiveness of Stormwater BMPs in the East Clayton Neighbourhood

## Session C

1:30PM – 1:55PM

1:55PM – 2:05PM

2:05PM – 2:30PM

2:30PM – 2:40PM

2:40PM – 3:00PM

## 3:00PM – 3:30PM

## Coffee Break

## 3:30-5:10

## Water MAGIC

Nils Roar (University Centre in Svalbard-Norway)

Water supply in permafrost areas in Norway

Chung-Hak Lee (Seoul National University-Korea)

Quorum quenching MBR for a solution to wastewater treatment in cold climates

Gregory Korshin (University of Washington-USA)

Water treatment in the cold zone of the United States: outline of general practices

Xuejun Bi (Qingdao Technological University-China)

The impact of low temperature on wastewater treatment and problem-solving methods in cold regions in China

Pierre Bérubé (University of British Columbia-Canada)

Water and wastewater treatment in Canada's north – practices and novel approaches

3:30PM – 3:50PM

3:50PM – 4:10PM

4:10PM – 4:30PM

4:30PM – 4:50PM

4:50PM – 5:10PM

## 6:30PM – 9:00PM

## Industry and Poster Night

Location: Gallery 2.0 in the AMS Nest

Please join us for an evening of networking with industry, and poster presentations. Wine and cheese will be served.

## Tuesday, June 13<sup>th</sup>

### Conference Presentations – Day 2

Location: Performance Theatre at the AMS Nest

8:00AM – 9:00AM

Coffee and Arrival

All of today's speakers should ensure that the latest version of their presentation is uploaded on our conference laptop.

9:00AM – 9:45AM

Session D: Petcha Kucha

Luis Galindo

Improving characterization of streamflow by conceptual modeling of rating curve uncertainty

9:05AM – 9:20AM

James Roberts

Water to Scale: A discussion of centralization in infrastructure

9:20AM – 9:35AM

Huan He He

Antibiotic Resistance Gene Degradation and Deactivation Kinetics during Bench- and Full-Scale Disinfection Processes

9:35AM – 9:45AM

9:45AM – 10:30AM

Session E

Emma Luker

Groundwater governance in the face of drought: the case of Cape Town, South Africa

9:45AM – 10:05AM

Akhil Kumar

How to Manage Water Infrastructure Systems under 'Deep Uncertainty'? Identifying Dynamic Robustness

10:05AM – 10:25AM

10:30AM – 11:00AM

Coffee Break

11:00AM – 12:30PM

Session F

Tessora Young

Disinfection and Disinfection Byproduct Formation during Solar Irradiation of Chlorinated Drinking Water

11:00AM – 11:25AM

Reza Rezaei

UV-LED/CI one step forward in removing micropollutants

11:25AM – 11:35AM

Julia Stafford

Climate Change Adaptation Strategies for Extreme Precipitation Events in an Urban Environment

11:35AM – 12:00PM

Abhishek Agrawal

A Hierarchal Regional Analysis Approach to Develop Flood Frequency Model

12:00PM – 12:10PM

Jonathan van Groll  
Integrating Pumped Storage into the Hydropower System in British  
Columbia, Canada

12:10PM – 12:30PM

12:30PM – 1:30PM

Lunch

1:30PM – 3:00PM

Panel Discussion

Topic: Governance, Development and Management of Water in Small and Rural Communities  
Panelists: Madjid Mohseni, Dawn Mills, Barj Dhahan, and Sarah Breen

3:00PM – 3:30PM

Coffee Break

3:30PM – 4:40 PM

Session G

Xuyang Liu

Pilot Research on the Optimization of MBBR Aeration System

3:30PM – 3:40PM

Rajat Jain

Water in India, Water in Canada: A Tale of Two Nations

3:40PM – 4:05PM

Azadeh Khojasteh

Effect of obscure variables on the proliferation of impactful wastewater  
management strategies

4:05PM – 4:15PM

Daniel Robb

The effect of reservoir operation on ecological productivity in  
Carpenter Reservoir, BC

4:15PM – 4:40PM

4:40PM – 5:00PM

Conference Closing &amp; People's Choice Ballot Submissions

6:30PM – 9:00PM

Dinner &amp; Awards

Location: Nuba Restaurant in Kitsilano  
Our closing dinner and awards celebration!

On behalf of the CAWQ, the Phillip H. Jones awards will be presented for the top presentations  
at the closing dinner. Additionally, our WEST team will announce the winners of the people's  
choice ballot submissions and poster prizes.

---