



WEST
WATER & ENVIRONMENT STUDENT TALKS

CONFERENCE SCHEDULE

Monday, June 6th

Location: Performance Theatre at the Nest

8AM – 9AM.....Breakfast & Registration
All of today’s speakers should ensure that the latest version of their presentation is uploaded on the conference laptop.

9AM – 10AM.....Opening Remarks & Keynote
Introductions by Associate Dean of Applied Science, Dr. James Olson
Keynote speech by Inder Singh: *Growing water demands in tandem to increasing water shortages – what challenges is BC facing?*

10AM – 10:15AM.....Coffee Break

10:15AM – 11:05AM.....Session 1

Jessica LeNoble Trials of the Modern Graduate Student	10:15AM – 10:25AM
Laith Furatian Urban Stormwater in British Columbia’s Lower Mainland: Past, Present, and Future	10:25AM – 10:45AM
Christine Mettler The Social Life of Water in the Okanagan Valley: Uniting Art and Science for Sustainability	10:45AM – 11:05AM

11:05AM – 11:15AM..... Break

11:15AM – 12:05PM.....Session 2

Daniel Klein , Gunilla Öberg Improved Water Data Management System for the City of Vancouver's Parks System	11:15AM – 11:35AM
Erika Nassichuk Perspectives of the Construction Industry on Urban Development Impacts on Stream Health, North Shore, BC.	11:35AM – 11:55AM
Marcia Fromberg The Past, the Present, and the Future of the UBC Wastewater Treatment Pilot Plant	11:55AM – 12:05AM

12:05PM – 1:05PM..... Lunch

1:05PM – 1:55PM..... Session 3

Alex Hockin , Kelly Graves, Bernard Laval, Svien Vagle, Sam Albers, Ellen Petticrew Observations of Quesnel Lake Post Spill - One year late	1:05PM – 1:25PM
Constanza Nicolau A Brief Review of Bio-Electrochemical Remediation	1:25PM – 1:35AM
Alex Chow Examining the Effects of Alberta's Climate Change Plan on Oil Sands Producers	1:35AM – 1:55AM

1:55PM – 2:10PM.....Break

2:10PM – 3PM.....Session 4

Olenka Forde Subsurface Risks Associate with Hydraulic Fracturing	2:10PM – 2:20PM
Chaoyang Yue Foam In Membrane Enhanced Biological Phosphorus Removal (MEBPR) Process: From Operational Nuisance to Precious Resource	2:20PM – 2:30PM
Mikhail Smilovic , Paul Langhorn, Tom Gleeson, Jan Adamowski, Stefan Kienzle Field Kites: Evaluating Supplemental Irrigation With Climate Change	2:30PM – 2:50PM
David Hurley Pouring Oil on Troubled Waters: the Effect of Oil on Waves and Physical Processes	2:50PM – 3PM

3PM – 3:15PM.....Coffee Break

3:15PM – 4:05PM..... Session 5

Danilo Strapasson , Daniel Costa dos Santos, Andressa Berno Benetti Possible Alternatives of Sustainable and Integrated Systems for the Treatment of Wastewater and Urban Drainage	3:15PM – 3:25PM
Roberta Dyck , Rehan Sadiq, Kasun Hewage, Manuel Rodriguez, Isuru Gamalath, Hirushie Karunathilake Swimming in Drinking Water: Recreational Water and the Road to Sustainability	3:25PM – 3:45PM
Pranav Chintalapati Algal Toxin Treatment in Drinking Water Using UV Light	3:45PM – 4:05PM

4:05PM – 4:20PM.....Wrap-up Day 1

4:20PM – 5:50PM.....Pilot Plant Tour
Conference attendees can choose to tour the UBC wastewater treatment pilot plant, a research site where numerous research discoveries were made over several decades at UBC.

Location: The Perch at Nest

Wine and cheese networking event and poster presentations.

6:30PM – 9PM.....Posters & Industry Night

Tuesday, June 7th

Location: Performance Theatre at the Nest

8:00AM – 9:00AM.....Breakfast
All of today’s speakers should ensure that the latest version of their presentation is uploaded on our conference laptop.

9:00AM – 9:50AM..... Session 6

Keelin Scully Fuel Interaction Experiments at a Site with Historic Crude Oil Contamination	9:00AM – 9:10AM
Mike Harvard Stormwater Management - A Field Study on Permeable Pavement	9:10AM – 9:20AM
Naomi Robert “Greening the Grey”: How Do We Mainstream Water-Centric Design in Metro Vancouver?	9:20AM – 9:30AM
Gyan Chhipi Shrestha , Kasun Hewage, Rehan Sadiq Urban Reuses of Treated Wastewater in Okanagan (BC): Is There Microbial Risk?	9:30AM – 9:50AM

9:50AM – 10:05AM.....Coffee Break

10:05AM – 11:05AM..... Keynote
Keynote speech by Bob Sandford: *What does water security mean and what is Canada's role given the increasing global demands and risks from climate change?*

11:05AM – 11:20AM..... Break

11:20AM – 12:10PM..... Session 7

Jessie Tse-Hua Chao A Field Study of Controlling Physical Factors On Fugitive Gas Migration In Shallow Groundwater Aquifers	11:20AM – 11:30AM
Allison Matfin, Kathleen Horita, Maureen Long Reimagining Wastewater Treatment: A Feasibility Study for the Nak'azdli First Nation	11:30AM – 11:50AM
Austin Wang Microbial Fuel Cells: the Future of Wastewater Treatment and Sustainable Energy	11:50AM – 12:10PM

12:10PM – 1:10PM..... Lunch

1:10PM – 2:10PM..... Panel Discussion
Topic: Transboundary water governance and privatization of water
Panelists: Bob Sanford, Patrick Weiler, and Phil Torio

2:10PM – 2:25PM..... Break

2:25PM – 3:15PM..... Session 8

Terri Pan Retrofitting Greywater Treatment	2:25PM – 2:45PM
François St-Pierre, Pierre Bérubé Effect of Varying Raw Water Quality on Ultrafiltration Membrane Operation and Cleaning	2:45PM – 2:55PM
Macarena Cataldo Human Right to Water	2:55PM – 3:05PM
Shayok Ghosh, Victor Lo, Sergey Lobanov Optimization of Supersaturation Ratio for P- Recovery from Anaerobic Supernatant through Struvite Crystallization FBR	3:05PM – 3:15PM

3:15PM – 3:30PM..... Coffee Break

3:30PM – 4:20PM..... Session 9

Sarah Ning , Kwang Victor Lo, Asha Srinivasan, Ping Huang Liao, Cristina Kei Yamamoto de Oliveira, Marie De Zetter Microwave/Hydrogen Peroxide Advanced Oxidation Process for Sludge Reduction and Nutrient Release	3:30PM – 3:40PM
Joerg Winter , Pierre Bérubé Biological Filtration for NOM-Removal – Biological Ion Exchange and Biological Activated Carbon	3:40PM – 4PM
Macarena Cataldo , David Wilkinson, Arman Bondakapour Electrochemical Ferrate	4PM – 4:10PM
Shona Robinson Microbead Munchies: What's the Risk of Marine Microplastics?	4:10PM – 4:20PM

4:20PM – 4:30PM..... People’s Choice Ballot Submissions

4:30PM – 5PM Conference Closing

Location: Nuba

6:30PM – 8:30PM.....Dinner & Awards
Our closing dinner and awards celebration!

A presentation from Dr. Pierre Berube, on behalf of the CAWQ, who will present the Phillip H. Jones awards for the top presentations. Additionally, our WEST team will announce the winners of the people’s choice ballot submissions and poster prizes.
