



Vancouver, Canada  
 May 31 – June 3, 2017/ *Mai 31 – Juin 3, 2017*

**Final Schedule for the Environmental Speciality Conference**

Update: May 10, 2017

**Please note that the information in this schedule is preliminary and may be subject to change**

<b>Day: Wednesday, May 31, 2017      Time: 13:00 – 14.30      Room: Mackenzie Chair: G. Achari</b>		
<b>ID</b>	<b>Presenter</b>	<b>Topic</b>
839	Samadhi Gunasekera	Design and Operation of Actively-Aerated Field-Scale Methane Biofilters
850	Sihan Li	A Review of Historical Extreme Wind Speeds in a Changing Climate at some Major Canadian Cities
836	Shareef Mohammed Mujtaba	Potential land and air quality impacts due to hydraulic fracturing in Western Newfoundland
829	Christopher Raghubar	An evaluation mode for demolition waste in the residential context
807	Abdallatif Abdalrhman	Application of Electro-oxidation for Naphthenic Acids (NAs) Degradation
<b>Day: Wednesday, May 31, 2017      Time: 13:00 – 14.30      Room: Tompson Chair: R. Seth</b>		
<b>ID</b>	<b>Presenter</b>	<b>Topic</b>
861	Wonjae Chang	Remediation in Challenging Environments: Preliminary Numerical Simulation and Measurement of Unfrozen Water Content for an Outdoor Pilot-Scale Biopile in Cold Climate
819	Jamie Davignon	Aklavik, Northwest Territories - Solid Waste Planning Study
862	Bo Liu	Toxicity and biodegradability study on enhanced photocatalytic oxidation of polycyclic aromatic hydrocarbons in offshore produced water

816	Abdur Rashid	Assessment the presence of heavy metal (HM) concentration in river water and fish species and associated human health hazard due to the fish consumption of Turag River in Bangladesh
841	Catherine Mulligan	An Innovative Approach to Treat Ammonia-Rich Wastewater by Partial Nitrification/ANAMMOX in BioCAST Reactor

<b>Day: Wednesday, May 31, 2017</b>	<b>Time: 15:00 – 16.30</b>	<b>Room: Mackenzie Chair: C. Mulligan</b>
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<b>ID</b>	<b>Presenter</b>	<b>Topic</b>
838	Esmaeel Kariminezhad	Different Electrical Regimes to Demulsify Oil Sludge-Wettability Indicator
843	Ravi Inder Singh Jassar	Co-combustion of municipal sewage sludge with Caster seed shell in bubbling fluidized bed combustor under oxygen-enriched condition: Experimental investigation
854	Samadhi Gunasekera	Evapotranspiration Landfill Biocover to Control Atmospheric Release of Landfill Methane
835	Kashif Rashid	Memorial University of Newfoundland campus cycling study

<b>Day: Wednesday, May 31, 2017</b>	<b>Time: 15:00 – 16.30</b>	<b>Room: Tompson Chair: B. Anderson</b>
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<b>ID</b>	<b>Presenter</b>	<b>Topic</b>
833	Mohammed Shaikh Zakee	Optimization of Combined Sewer Overflow (CSO) Enhanced Primary Treatment by using different coagulants
857	Kelvin T. W. Ng	Cigarette butt waste management and smoking policy on campus
866	Mohamed Osmani	Design waste generators in construction projects
810	Mohamed Ibrahim	Removal of a Model Naphthenic Acid -Trans-4- Pentylcyclohexane Carboxylic Acid Using Mesoporous Carbon Xerogel Adsorbent
868	Tofigh Tabesh	Exploration of Parameters Effecting Energy Performance of Buildings

<b>Day: Thursday, June 1, 2017</b>	<b>Time: 9:00 – 10:00</b>	<b>Room: Tompson Chair: K. Ng</b>
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<b>ID</b>	<b>Presenter</b>	<b>Topic</b>
802	Adam Abdelmajeed	Enhanced Electrochemical and Biological Phosphorus Removal in a Sole Reactor

803	Shu Zhu	Oil sands process-affected water (OSPW) management using basal depressurization water (BDW) in forward osmosis (FO)
804	Chengjin Wang	Comparison of UV/hydrogen peroxide, ferrate(VI), and ozone in oxidizing oil sands process-affected water (OSPW)
805	Jinkai Xue	Biotransformation of Aromatic Compounds in Oil Sands Process-Affected Water by Pseudomonads

<b>Day: Thursday, June 1, 2017</b>	<b>Time: 11:00 – 12:00</b>	<b>Room: Tompson</b>	<b>Chair: K. Ng</b>
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ID	Presenter	Topic
806	Jinkai Xue	When membrane bioreactor meets ozonation: A possible solution to the oil sands process-affected water (OSPW) issue
808	Lei Zhang	Remediation of oil sands process-affected water (OSPW) by indigenous microorganisms based biofiltration
809	Ying Zhang	Comparison of Nitrilotriacetic Acid and [S,S]-Ethylenediamine-N,N'-disuccinic Acid in UV-Fenton for the Treatment of Oil Sands Process-Affected Water at Natural pH
818	Chunjiang An	Treatment of oily wastewater using ultrafiltration membranes modified by nano particles

<b>Day: Thursday, June 1, 2017</b>	<b>Time: 14:00 – 15:30</b>	<b>Room: Tompson</b>	<b>Chair: R. Zytner</b>
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ID	Presenter	Topic
813	Mirna Alameddine	Ozonation of synthetic Combined Sewer Overflow: Impact on the fate of silver nanoparticles
817	Chunjiang An	Biomass Waste-Derived Adsorbents for the Removal of Organic Pollutants from Water
812	Abdulrahim Alumairi	Enhancement of Primary Treatment of Combined Sewer Overflow (CSO) by Using Ferrate (VI)
820	Bruce Anderson	Assessment of microbial denitrifying capacity in vegetated bioreactors treating greenhouse effluent
821	Jingchun Tang	Effect of a novel biochar supported nanoscale iron sulfide composite on <i>Corynebacterium variabile</i> HRJ4 and a chem-bio hybrid process for trichloroethylene degradation

<b>Day: Friday, June 2, 2017</b>	<b>Time: 9:00 – 10:30</b>	<b>Room: Tompson</b>	<b>Chair: N. Biswas</b>
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ID	Presenter	Topic
826	Joshua Snowdon	Foaming in an Innovative Anaerobic Membrane Bioreactor Treating High Solids Wastewater
827	Jordan Hollman	Evaluation and Optimization of Multiple Advanced Oxidation Processes for the Removal of Venlafaxine in Water and Wastewater
831	Zhou Minghua	Novel advanced oxidation process(AOPs) based on pre-magnetization Fe <sup>0</sup> for wastewater treatment

832	Nawrin Anwar	Evaluation of Electrocoagulation as a Method of Pretreatment for Highly Concentrated Brewery Wastewater
837	Seyyed Ebrahim Mousavi	Modeling struvite crystallization in a batch reactor using population balance module coupled with 3-D CFD model

<b>Day: Friday, June 2, 2017      Time: 11:00 – 12:00      Room: Tompson Chair: W. Chang</b>		
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<b>ID</b>	<b>Presenter</b>	<b>Topic</b>
800	Richard Zytner	Scale-up Factors When Applying Bioventing Results to the Field
842	Gopal Achari	Advanced Oxidative Processes for Degradation of Carbamazepine in Wastewater Effluents
844	Marina Freire-Gormaly	Optimization of Solar Powered Reverse Osmosis Water Treatment Systems
858	Kelvin T. W. Ng	Cross-correlating landfill gas quality with climatic factors at the City of Regina landfill

<b>Day: Friday, June 2, 2017      Time: 14:00 – 15:30      Room: Tompson Chair: W. Chang</b>		
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<b>ID</b>	<b>Presenter</b>	<b>Topic</b>
845	Catherine Mulligan	Geotextile Filtration for Improving Surface Water Quality of Eutrophic Lakes
865	Rajesh Seth	Anaerobic Sulfate Reduction and Metal Precipitation in Upflow Hybrid Reactor: Comparison of Single and Two-Stage Processes
853	Linlong Yu	Field evaluation of sulfolane degradation in groundwater using UV/H <sub>2</sub> O <sub>2</sub>
860	Rajan Ray	Optimization of Aeration in a Single-Stage Biological Aerated Filter for the Treatment of Municipal Wastewater
852	Luis Vives	Power Generation Potential from Cyanidized Water Using Osmotic Processes