

50th Central Canadian Symposium on Water Pollution Research

Program Schedule and Presentations

Tuesday, February 17th, 2015

Holiday Inn	
17:00	CAWQ Board Meeting

Wednesday, February 18th, 2015

8:00	Holiday Inn • Registration	
Holiday Inn		
9:00	Opening Remarks: Dr. Chris Marvin (Vice-President, Central Region: CAWQ)	
	<p style="margin: 0;">Holiday Inn</p> <p style="margin: 0;">Advances in Wastewater Treatment Technologies and Approaches</p> <p style="margin: 0;">Chairs Elsayed Elbeshbishy and Alex Neumann</p>	<p style="margin: 0;">Holiday Inn</p> <p style="margin: 0;">Advances in Drinking Water and Storm Water Treatment Technologies and Approaches</p> <p style="margin: 0;">Chairs Mike Lywood</p>
9:15	Promoting Excellence in Wastewater Treatment Plant Performance <u>K. Hagan</u> and M. Anderson	Evaluation of Stormwater Quality Impact due to Construction Activities in the Lake Simcoe Watershed <u>J. Li</u>
9:50	Pure and Doped Photocatalytic Membranes for Organic Pollutants Removal. <u>M. Hatat-Fraile</u> , P. Russo, R.X. He, R. Liang, and N. Zhou	Considerations for the Removal, Treatment and Fate of Stormwater Management Pond Sediments. <u>P. Koumoulas</u> and D. Joksimovic
10:10	High Throughput Dewatering Test (HTDT) for Screening of Polymer Flocculants and Optimization of Dosage Conditions. <u>R. Larue</u> , J. Cobbleidick, E. Cranston, D.R. Latulippe	Decision-Making Tool for the Establishment of Adapting Measurement of an Urban Drainage System to Climate Change. <u>N. Mhamdi</u> , S. Kouki, S. Sebti, S. Duchesne, and M. Fuamba

10:30	Health Break - Holiday Inn	
	<p>Holiday Inn</p> <p>Advances in Wastewater Treatment Technologies and Approaches</p> <p>Chairs Elsayed Eliebeshbishy and Alex Neumann</p>	<p>Holiday Inn</p> <p>Advances in Drinking Water and Storm Water Treatment Technologies and Approaches</p> <p>Chairs Mike Lywood</p>
10:45	<p>Pilot-Plant Study for Sonophotolytic Degradation of Synthetic Pharmaceutical Wastewater.</p> <p><u>S. Ghafoor</u>, M. Mehrvar, and P. Chan</p>	<p>Determination of N-nitrosodimethylamine (NDMA) Compounds in Chloraminated Drinking Water</p> <p><u>V. Zhao</u></p>
11:05	<p>Response of Bioelectrochemical Systems to Different Substrates.</p> <p><u>W. Huang</u> and Y Kim</p>	<p>Conductive Ultrafiltration Membrane Fabrication via a Novel Vacuum-Assisted Layer-by-Layer Assembly of Functionalized Carbon Nanotubes</p> <p><u>F. Omi</u> and S. Rahaman</p>
11:25	<p>Microbial Electrolysis Cells for the Removal of Cadmium and Chromium from Wastewater.</p> <p><u>N. Colantonio</u> and Y. Kim</p>	
11:45	<p>The Recovery of Silver Ions through the Operation of Microbial Electrolysis Cells.</p> <p><u>J. Parr</u> and Y. Kim</p>	
12:05 Lunch and CAWQ Annual General Meeting		
	<p>Holiday Inn</p> <p>Advances in Wastewater Treatment Technologies and Approaches</p> <p>Chairs Siva Sarathy and Ciro LeCompte</p>	<p>Holiday Inn</p> <p>Environmental Monitoring and Modeling</p> <p>Chairs Chris Marvin and Terri Bulman</p>
13:25	<p>Improving Secondary Effluent Quality for Water Reuse by Biological Filtration.</p> <p><u>S. ALY</u>, W. Anderson, P. Huck, K. Jaszczyszyn, and S. Kolaska</p>	<p>Monitoring Phytoplankton Densities and Nutrient Concentrations in the Nearshore Waters of Lake Erie Since the 1970s.</p> <p><u>J. Winter</u>, M. Palmer, T. Howell, and J. Young</p>

13:45	Degradation of polyvinyl Alcohol Aqueous Solutions in a Continuous Photoreactor. D. Hamad, M. Mehrvar, and R. Dhib	Understanding Phosphorus Patterns and Calculating Loads in Tributaries of the Lake Simcoe Watershed: The Use of in-situ Turbidity Measurements as Surrogates for Phosphorus E. O'Connor, L. Aspden, and D. Lembcke
14:05	Biotransformation of Trimethoprim in a Biological Nutrient Removal Treatment System - The Role of Active Microbial Groups O. Ogunlaja, and W. Parker.	Lake Superior Nearshore Water Quality: 1980 - 2013. M. Palmer and J. Winter
14:25	Wastewater Nutrients Removal and Recovery by Combining Struvite Precipitation with UniBAR-Anammox Process. S. Kalam, D.S. Mavinic, and B. Rezanja	Economic Evaluation of Anaerobic Digestion of Dairy Waste at Athlone Farm D. Baer, A. Cain, J. Chan, P. Chiocchio, E. Dickson, A. Gibson, M. Iannetta, J. MacKinnon, and E. Elbeshbishy*
14:45	Health Break	Health Break
	Holiday Inn Advances in Wastewater Treatment Technologies and Approaches Chairs Siva Sarathy and Ciro LeCompte	Holiday Inn Environmental Monitoring and Modeling Chairs Chris Marvin and Terri Bulman
15:00	Solar Photocatalysis with Nanostructured Titanium Dioxide (TiO ₂) Materials for the Inactivation of E. coli Bacteria. S. Gora and S. Andrews	Integrating Watershed Modelling with Socioeconomic Values in Lake Simcoe A. Gudimov, D-K Kim, and G.B. Arhonditsis
15:20	TiO ₂ Nanocrystalline Films and Membranes for Concurrent Photocatalytic Organic Degradation and Corrosion Protection R. Liang, M. Hatat, M. Arlos, P. Peng, M. Servos, and N. Zhou	Food Waste Characteristics And Implications For Resource Recovery At Wastewater Treatment M. Kim, M.M.I. Chowdhury, G. Nakhla, and M. Keleman
15:40	An Overview of Options for Humanitarian Emergency Sanitation. J-M Laurens, P. Vanrolleghem, and C.C. Dorea	
16:00	Removal of CECs from Wastewater using Aclarus Ozonation Technology. M. Djap, A. Doran, M. Doran, and V. Yargeau	

16:30

Presentation of Philip H. Jones Award and Concluding Remarks