

Day 1: Wednesday, June 22, 2016		
Time	Activity	
08h00-08h30	Atrium - Breakfast	
08h30-08h45	Room 1102 - Welcome by Conference Chairs, UWindsor President Wildeman	
08h45-09h30	Room 1102 - EnWin-sponsored Speaker: <i>The Game Board Has Changed: Energy & Water in a Changing Climate</i> Gord Miller (former Environmental Commissioner of Ontario)	
09h30-09h45	Atrium - Break	
09h45-10h45	Room 1102 - Panel Presentations and Discussion: <i>Water in Energy Generation (WEG)</i> Panel Lead: Paul Henshaw	
	<i>Balancing the Carbon and Water Footprints of the Ontario Energy Mix</i> Lindsay Miller and Rupp Cariveau (Turbulence & Energy Laboratory, University of Windsor)	
	<i>Climate Change Impact Assessment on a Hydro-Electric Project Using Multi-Model Climate Ensemble</i> Vinod Chilkoti, Tiripati Boliseti and Ram Balachandar (Dept of Civil and Environmental Engineering, University of Windsor)	
	<i>Application of Floating PV for Electricity Generation in Waterbodies</i> Kim Trapani (Mining Innovation, Rehabilitation & Applied Research Corporation) and Dean Millar (Bharti School of Engineering, Laurentian University)	
	<i>Energy Efficiency of an Absorption Air-Conditioning System Using Wet, Dry and Hybrid Heat Rejection Methods</i> Julia Aman, Paul Henshaw and David S-K Ting (Turbulence & Energy Laboratory, University of Windsor)	
10h45-11h00	Atrium - Break	
11h00-12h15	Room 1101 - Panel Presentations and Discussion: <i>Unique Water-Energy Interactions (UWEI)</i>; Panel Lead: Dean Millar	Room 1102 - Panel Presentations and Discussion: <i>Greenhouse Energy (GE)</i> Panel Lead: Justine Taylor
	<i>Energy Harvesting from Water Surface Waves</i> Wenzheng Cai, Vesselina Roussinova and Vesselin Stoilov (Mechanical, Automotive and Materials Engineering, University of Windsor)	<i>An Overview of Greenhouse-Related Energy Policy in Ontario</i> Justine Taylor (Ontario Greenhouse Vegetable Growers)
	<i>Advanced Wave Energy Conversion System (AWECS)</i> Brian Cunningham, Jim Clinton (Wave Energy Conversion Corporation of America and Ireland)	<i>Potential of Closed Greenhouse System with Seasonal Heat Storage in the Ontario Greenhouse Sector</i> ; Lucas Semple, David S-K Ting and Rupp Cariveau (Turbulence & Energy Laboratory, University of Windsor)
	<i>Analysis and Comparison of a Photovoltaic Thermal Domestic Water Heating System with an Evacuated Tube System</i> ; Jamie Fine, Jacob Friedman and Seth Dworkin (Dept of Mechanical and Industrial Engineering, Ryerson University)	<i>Energy Demand Drivers in Commercial Greenhouse Operations</i> Shalin Khosla (Ontario Ministry of Agriculture, Food and Rural Affairs (OMAFRA))
	<i>The Role of Water Solubility in Applications of Hydraulic Air Compressors in Mining</i> Dean Millar, Alexander Hutchinson, Caterina Nola, Valeria Pavese, Javier Rico-Paez and Stephen Young (MIRARCO)	<i>Energy Management Strategies for Commercial Greenhouses</i> David Arkell (360 Energy)
	<i>Factors for Decreasing Energy Loss Due to Ice Adhesion</i> Ryan Fillion, A.R. Riahi and A. Edrissy (Dept of Mechanical, Automotive and Materials Engineering, University of Windsor)	<i>Modelling Energy Efficiency Improvements to an Unheated Greenhouse in the Canadian Subarctic</i> Paul Henshaw (Turbulence & Energy Laboratory, University of Windsor)
12h15-13h00	Atrium - Lunch	
13h00-13h45	Room 1102 - Keynote Speaker: <i>The Great Potential of Offshore US Windpower</i> Jose Zayas (Director, Wind and Water Technologies, US Department of Energy)	
13h45-14h00	Atrium - Break	
14h00-15h15	Room 1101 - Panel Presentations and Discussion: <i>Energy Storage and Delivery (ESD)</i>; Panel Lead: Jesse Ma	Room 1102 - Panel Presentations and Discussion: <i>Environmental Impacts of Energy (EIE)</i>; Panel Lead: Sean Walker
	<i>Models for the Integrated Delivery of Electricity, Gas, and Water Conservation</i> Jesse Ma, Bala Venkatesh (Centre for Urban Energy, Ryerson University)	<i>Visualizing Energy and Water Conflicts along Canada's Carbon Corridor</i> Kees Lokman (School of Architecture and Landscape Architecture, University of British Columbia)
	<i>How Distributed Energy Sources and "Big Data" Will Change Electric Utilities</i> Steve Ray (Essex Energy)	<i>Design Optimization of Multi-Energy Hubs; Taking into Account Environmental Impacts</i> Azadeh Maroufmashat, Sean Walker, Michael Fowler, Ali Elkamel (University of Waterloo) and Sourena Sattari (Sherif University of Technology)
	<i>Hydrodynamic Drag and Lift Coefficients of an Air Accumulator at Different Reynolds Numbers</i> Zhiwen Wang, Wei Xiong, Zuwen Wang (Dalian Maritime University), David S-K Ting and Rupp Cariveau (University of Windsor)	<i>Water Based Nanofluids for Enhanced Thermal Energy Applications: Potential and Safety Features</i> Shahram Fotowat, Mohammed Ismail, Serens Askar and Amir Fartaj (Dept of Mechanical, Automotive and Materials Engineering, U. of Windsor)
	<i>Experimental Modelling of Yaw Dynamics of Offshore Floating Wind Turbines</i> Sarah Alhasan, Curtis Simpson, Rupp Cariveau and David S-K. Ting (Turbulence & Energy Laboratory, University of Windsor)	<i>Effect of Plug-in Electric Vehicles on the Optimal Operation of Residential Energy Hubs</i> Azadeh Maroufmashat, Ali Ahmadian, Michael Fowler, Ali Elkamel (Dept of Chemical Engineering, University of Waterloo) and Sourena Sattari (Dept of Energy Engineering, Sherif University of Technology)
	<i>Utilizing Power-to-Gas and Power-to-Power to Provide Ancillary Services and Energy Storage</i> Ushnik Mukherjee, Sean Walker, Azadeh Maroufmashat and Michael Fowler (Dept of Chemical Engineering, University of Waterloo)	<i>Environmental and Economic Factors in Utilizing Power-to-Gas for Industrial Applications</i> Sean Walker, Daniel van Lanen, Ushnik Mukherjee and Michael Fowler (Dept of Chemical Engineering, University of Waterloo)
15h15-15h30	Atrium - Break	
15h30-16h15	Room 1102 - Workshop: <i>Identify Energy Industry Research Priorities</i>	
16h15-21h00	Wine Tasting, Banquet Extravaganza	
22h00-00h00	EAW2016 After Party at VU Bar Caesars Windsor	

	Day 2: Thursday, June 23, 2016	
Time	Activity	
08h00-08h30	Atrium - Breakfast	
08h30-08h45	Room 1102 - Announcements; Paul Henshaw (Turbulence & Energy Laboratory, University of Windsor), UWindsor's Entrepreneurship Practice and Innovation Centre: Programming for Scientists and Engineers Francine Schlosser, Nathan Veres (University of Windsor)	
08h45-09h30	Room 1102 - Union Water SS-sponsored Speaker: Energy - The Water/Wastewater Utility Perspective Larry Moore (former CEO, Walkerton Clean Water Centre)	
09h30-09h45	Atrium - Break	
09h45-11h00	Room 1102 - Panel Presentations and Discussion: Energy in Water and Wastewater Treatment (EWWT) Panel Lead: Terry Young (IESO)	
	Energy Conservation in Water Treatment Facilities and Impacts on Climate Change Indra Maharjan (Ontario Clean Water Alliance)	
	The Energy Trilogy: an Integrated Sustainability Model to Bridge Wastewater Treatment Plant Energy and Emissions Gaps Adhim Altalibi (DNVGL) and Carol Miller (Dept of Civil and Environmental Engineering, Wayne State University)	
	Energy Conservation Opportunities in WWTP Operations and Challenges Dhana Niriella and Rob Bernardi (Chatham-Kent Public Utilities Commission)	
	Aeration Blower Retrofit Provides Significant Energy Savings in Wastewater Treatment Plant Jeff Scott (EnWin Utilities) and John Guidolin (City of Windsor)	
	Wastewater Treatment Energy Recovery Potential for Adaptation to Global Change: an Integrated Assessment Patrick Breach, Slobodan Simonovic (Western University)	
11h00-11h15	Atrium - Break	
11h15-12h30	Room 1101 - Panel Presentations and Discussion: Energy in Water Distribution (EWD) Panel Lead: Yves Fillion	Rm 1102 - Panel Presentations and Discussion: Frontiers in Sustainable Energy and Water (FSEW); Panel Lead: Mark Mackew
	Impact of Urban Intensification on Energy Use in a Water Distribution System in a Midwestern US City: A Case Study Hannah Wong (Salt of the Earth Farms), Vanessa Speight (University of Sheffield) and Yves Fillion (Dept of Civil Engineering, Queen's Univ.)	A Foundation for Lowering the Cost of Offshore Wind Power Lorry Wagner (Lake Erie Energy Development Corporation)
	Pipe-Level Energy Assessment in Water Distribution Systems and Energy Inefficiencies Saeed Hashemi, Yves Fillion (Dept of Civil Engineering, Queen's University) and Vanessa Speight (University of Sheffield)	
	The Effect of Water-Saving Technologies and Water Pricing on Water Use, Energy Use and GHG Emissions in a Water Distribution System Alexandre Tourigny, Yves Fillion (Dept of Civil Engineering, Queen's University)	How Strategic Environmental Policy Design is Required for Successful Renewables Proliferation Paul Lombardi (Siskinds Law)
	Coupled Energy/Emissions Optimization for Water Distribution Mohsen Sadatiyan, Carol Miller (Dept of Civil Engineering, Wayne State University)	Organizational Ingenuity and the Paradox of the Embedded Agency: The Case of the Embryonic Ontario Solar Energy Industry Kent Walker, Francine Schlosser (University of Windsor), David Deephouse (University of Alberta)
	The Use of Network Theory and Reliability Indexes for the Validation of Synthetic Water Distribution System Case Studies Diego Paez, Yves Fillion (Dept of Civil Engineering, Queen's University)	
12h30-13h15	Atrium - Lunch	
13h15-14h00	Room 1102 - Keynote Speaker: The Nexus Between Solar Energy, Water and the Environment Robert Boehm (University of Nevada at Las Vegas)	
14h00-14h15	Atrium - Break	
14h15-15h00	Room 1102 - Workshop: Identifying Water Industry Research Priorities	
15h00-15h15	Atrium - Break	
15h15-16h30	Room 1102 - Panel Presentations and Discussion: Unique Processes in Wastewater Treatment (UPWT); Panel Lead: Jacqueline Stagner	Field Trip: Lou Romano Water Reclamation Plant
	Enhanced Energy Recovery Options from Sewage Sludge: A Reevaluation Case Study Nathan Mullins, Kamin Paul, Natasha Rahman, Elizabeth Tuscano and Rajesh Seth (Dept of Civil & Environmental Engineering, University of Windsor)	
	Sustainability Decision Making for Integrated Renewable Bioenergy Generation and Water Management Systems Yongli Zhang (Department of Civil Engineering, Wayne State University)	
	Electrode Material and Configuration Influence for Optimal Microbial Fuel Cell (MFC) Performance Liliana Reynoso-Cuevas (CIMAV-Durango, Mexico), Arturo Salinas-Martinez (Universidad Politecnica de Guanajuato, Mexico) and Miguel Lopez-Zavala (Technologico de Monterrey, Mexico)	
	Adaptable Wind/Solar Powered Hybrid System for Household Wastewater Treatment Akhilesh Soni (Indian School of Mines), Jacqueline Stagner and David S-K. Ting (Turbulence & Energy Laboratory, University of Windsor)	