

Challenges in Water Monitoring 2014

McMaster
University



M A C W A T E R

www.macwater.org

Monday, July 7, 2014

Atrium
McMaster Innovation Park
175 Longwood Road South
Hamilton, ON L8P 0A1
Canada



Challenges in Water Monitoring 2014: Agenda

Time	Speaker	Title
9:30-10:00am	Registration/coffee	
10:00-10:15am	Herb Schellhorn-Coordinator MacWater Research Initiative	Opening remarks
10:15am-12:00pm	MacWater Researcher presentations	
	Radhey Gupta	Application of DNA signature sequences for characterizing microbial populations
	Tom Edge	Use of source-tracking DNA markers in the Niagara region: a case study
	Ravi Selvaganapathy	Chemical sensing in water
	Qiyin Fang	Optical sensors in water quality monitoring
	Chang-qing Xu	Development of optical bacterial sensors for real-time water pollution monitoring
	Matiar Howlader	Novel, micro-scale sensor for pH and free chlorine measurement in water at low cost
	Emil Sekerinski	Software infrastructure for water quality motes and water quality visualization
12:00-1:00pm	Lunch/poster	
1:00-1:45pm	Panel discussion <u>Facilitating academic/industrial translational research: challenges and opportunities</u> Panelists: Benson Honig (McMaster University, Degroote School of Business), Lotfi Belkhir (McMaster University, Faculty of Engineering), Paul Grunthal (McMaster Industry Liaison Office), TBA	
1:45-3:30pm	Invited talks	
	Dustin Garrick Philomathia Chair of Water Policy	McMaster Water Network: connecting science, technology and policy to deliver local and global impacts
	Michelle Palmer Ministry of the Environment (MOE)	TBA
	Trevor Charles University of Waterloo	Application of functional metagenomics to soil and water
	Brenda Lucas Southern Ontario Water Consortium (SOWC)	TBA
	Joanna Wilson McMaster University	Pharmaceuticals in our water: implications for fish health
3:30-4:00pm	Coffee/tea	
4:00-4:45pm	Canada/China cooperation	
	Institute of Microelectronics	The Internet of things: medical and public health
	Institute of Environmental Health and Related Product Safety	China drinking water standards and health management status
	Delin Environment Protection	Online water monitoring instruments
4:45-6:00pm	Poster/reception	