



Centre for Water Resources Management

The Brace Centre for Water Resources Management is an interdisciplinary research centre of McGill University. Academic staff affiliated with the Centre are drawn from several faculties in the University. They provide expertise in the technical, social, economic, legal and environmental aspects of water management.

The work of the Centre is partially supported through a bequest to McGill University by James Henry Brace. He stipulated that the bequest be used "to provide for and carry on research for the development of methods for reducing the salt content of sea water so that it may be used economically and effectively for irrigation; and for research into methods of irrigation or other means to make desert or arid land available and economically useful for agricultural purposes".

The Centre applies to external agencies for grants and contracts to support its research and teaching activities.

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Centre for Water Resources Management

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Tenth Annual Brace Research Day
March 24 2011, 13:00-18:30
Faculty Lounge, MS2-022,
Macdonald Stewart Building
Macdonald Campus / McGill University



World Water Day 2011 - Water and Urbanization

- 13:00 Welcoming Remarks, Professor Van-Thanh-Van Nguyen, Director of the Brace Centre for Water Resources Management
- Opening Remarks, Professor Christophe Pierre, Dean of Faculty of Engineering, or his delegate
- 13:10 Keynote Speaker: Prof Shiv Prasher, Chair Bioresource Engineering, Environmental Pollution from Veterinary Pharmaceuticals
- 13:45 Sogol Rasouli, Quantifying Nitrogen Export from Artificially Drained Agricultural Fields in the Pike River Watershed during Fall Rainfall Events, *Natural Resource Sciences*
- 14:05 Felexce Ngwa, A Multiplex Real-Time PCR for Early Detection of Toxigenic Cyanobacteria in Freshwater Bodies, *Bioresource Engineering*
- 14:25 Zian Sally, Community Water Supply Schemes: Ensuring that Progress towards the MDG for Water and Sanitation is Sustained, *Civil Engineering and Applied Mechanics*
- 14:45 Sarah Lebel, Hydrological Modeling of a Small Agricultural Watershed in India, *Bioresource Engineering*
- 15:05 Basanta Biswal, Do Wastewater Treatment Processes Impact the Virulence Risk of Escherichia coli? *Civil Engineering and Applied Mechanics*
- 15:25 Mohan Basnet, Stabilization and transport behavior of palladized zero valent iron nanoparticles in model groundwater environments, *Chemical Engineering*
- 15:45 Arti Bhakta, The Effect of Freeze-Thaw and Temperature Stress on the Transport and Survivability of Pathogenic Escherichia coli in Granular Porous Media, Depts. of *Civil Engineering and Chemical Engineering*
- 16:05 Adamo Petosa, Mobility of Metal Oxide Nanoparticles in Saturated Granular Porous Media: Influence of Water Chemistry and Particle Coating, *Chemical Engineering*
- 16:25 Anteneh Belayneh, Short-term drought forecasting in Ethiopia using wavelet-neural networks, *Bioresource Engineering*
- 16:45 Zeinab Hosseinidou, Using bacteriophage to capture and kill food and waterborne pathogens, *Chemical Engineering*
- 17:05 Sylvana Hochet, Effect of Eucalyptus plantations on the hydrology of high Andean catchments, *Civil Engineering and Applied Mechanics – Water Resources*
- 17:25 Meysam Najari, On the Range of Applicability of the Piezo-Conduction Equation, *Civil Engineering and Applied Mechanics*
- 17:45 Simone Bourke, Calibration and Validation of DRAINMOD for Determining Vertical and Deep Seepage, *Bioresource Engineering*
- 18:05 Usman Khan, Understanding substance flows of morphine to the various national aquatic environments, *Civil Engineering and Applied Mechanics*
- 18:25 Closing Remarks: Prof. Roger Cue, *Interim Associate Dean of Research, Faculty of Agriculture and Environmental Sciences*
- 18:35 Reception: Wine and Cheese and presentation of Awards for the best presentations

Refreshments will be provided throughout the presentations

For further information, contact
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Abstracts can be viewed at www.mcgill.ca/brace/symposia/colloquium