

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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Centre for Water
Resources Management

**Thirteenth Annual Brace
Research Day
March 28 2014,
10:00-14:00
Faculty Lounge, MS2-022,
Macdonald Stewart
Building
Macdonald Campus /
McGill University**



World Water Day 2014

Water and Energy

- 10:00 Welcoming Remarks, Professor Van-Thanh-Van Nguyen, Director of the Brace Centre for Water Resources Management
- 10:10 The transport and fate of PVP-coated silver nanoparticles in biofilm-laden model groundwater environments. Mike Mitzel , *Chemical Engineering*
- 10:30 A new methodology for measuring the bacterial attachment to oil-water interfaces Sharmin Sultana, *Civil Engineering and Applied Mechanics*
- 10:50 An Analysis of the Hydrology of a Sugarcane Field in Guyana, Naresh Gaj, *Bioresource Engineering*
- 11:10 Improving the Prediction of Nitrogen Mineralization from Manure to Reduce the Risk of Eutrophication, Ben Thomas, *Natural Resource Sciences*
- 11:30 Assessing the influence of geochemical heterogeneity on the mobility of palladium-doped nanosized zero valent iron (Pd-NZVI) particles in saturated granular matrices, Mohan Basnet, *Chemical Engineering*
- 11:50 Multisite Downscaling of Daily Temperature Extremes for Climate Related Impact Assessment Studies, Mahzabeen Rahman, *Civil Engineering and Applied Mechanics*
- 12:10 Application of Variable Rate Irrigation Technology to Improve Water Conservation and Productivity, Aghil Yari, *Bioresource Engineering*
- 12:30 Closing Remarks and presentation of Certificates: Prof. Jan Adamowski, *Inaugural Liliane and David M. Stewart Scholar in Water Resources, Director - Integrated Water Resources Management Program, Faculty of Agriculture and Environmental Sciences*
- 12:40 Light Lunch

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