



**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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Photos by Peter Enright

**Eighth Annual Brace Research Day**  
**March 27 2009, 9:30-17:00**  
**Raymond Building, Room R3-048**  
**Macdonald Campus / McGill University**



### Schedule – Raymond 3-048, Macdonald Campus, March 27

- 9:30** Opening Remarks, Prof. Van-Thanh-Van Nguyen, Director of the Brace Centre for Water Resources Management
- 9:45** Keynote Speaker: Prof. Chandra Madramootoo, *Dean, Faculty of Agriculture and Environmental Sciences: Water for Food Security*
- 10:30** Performance of a solar air heat recovery system for the ventilation of broilers. Sébastien Cordeau, *Bioresource Engineering*
- 10:50** Waves Overtopping Levee. Lai Wai Tan *Civil Engineering and Applied Mechanics*
- 11:10** A Laboratory Study of Bacterial Pathogen Transport Examining the Importance of Cell Concentration and Media Pre-Coating. Cristina Chornewich, *Chemical Engineering*
- 11:30** Emerging Issues in Local Water Management: Power Balance and Multi-Stakeholders Platforms. Fidelis Folifac, *School of Urban Planning*
- 11:50** **Lunch (MS2-084) for participants and supervisors**
- 12:45** Keynote Speaker: Prof. Jeffrey McKenzie *Earth and Planetary Sciences*. Proglacial hydrology and groundwater inputs in a poorly gauged, remote catchment in the Cordillera Blanca, Peru
- 13:30** Developing a Framework for Community Water Strategies in the Caribbean. Marie-Claire St Jacques, *Bioresource Engineering*
- 13:50** Towards the Development of Green Plasticizers. Azadeh Kermanshahi Pour, *Chemical Engineering*
- 14:10** Remediation of Chlorinated-Solvent Contaminated Aquifers using Iron Particles. Trishikhi Raychoudhury. *Civil Engineering and Applied Mechanics*
- 14:30** A Statistical Approach to Multi-Site Downscaling of Daily Temperature Extremes. Malika Khalili, *Civil Engineering and Applied Mechanics*
- 14:50** Break
- 15:05** Radial Flow Permeability Testing of Indiana Limestone. Patrick Mattar, *Civil Engineering and Applied Mechanics*
- 15:25** Impact of a Changing Climate to Crop Water Requirements in Southern Quebec. Rufa Doria, *Bioresource Engineering*
- 15:45** Phosphorus Speciation in Agricultural Runoff and Drainage Water in the Pike River Watershed. Simon-Claude Poirier *Natural Resource Sciences*
- 16:05** A Patch Permeability Test: On the Surface Permeability Test of Indiana Limestone. Paul Selvadurai *Civil Engineering and Applied Mechanics*
- 16:25** Modélisation de la qualité de l'eau de la rivière aux Brochets à l'aide du modèle SWAT: Calage et influence du climat futur. Colline Gombault, *Bioresource Engineering*
- 16:45** Closing Remarks, Prof. Christophe Pierre, *Dean, Faculty of Engineering* or his delegate
- 17:00** Reception: Wine and Cheese, Faculty Lounge, Presentation of Competition Awards, Prof. V-T-V Nguyen, Director, Brace Centre for Water Resources Management

For further information, contact  
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Abstracts can be viewed at [www.mcgill.ca/brace/symposia/colloquium](http://www.mcgill.ca/brace/symposia/colloquium)