

**Brace Displays**  
**March 23 2006, 9:00 - 18:00**  
**Macdonald Stewart Foyer,**  
**Macdonald Campus / McGill University**

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 C. Begg, P. Enright & K. Tiessen

**Fifth Annual Brace Research Day**  
**March 23 2006, 9:30-17:00**  
**Raymond Building, Room R2-046**  
**Macdonald Campus /**  
**McGill University**



## Schedule

- 9:30** Opening Remarks, Prof. Janusz A. Kozinski, *Associate Vice-Principal, Research & International Relations, McGill Univ.*
- 9:40** Phosphorus removal efficiencies in a pilot scale wetland treating agricultural runoff, Peter Enright, Ing. *Director, Farm Management and Technology Program*
- 10:05** Modeling surface and subsurface nitrogen transport in an agricultural watershed, Shadi Dayyani, *Bioresource Engineering*
- 10:25** Measuring tillage translocation and erosion by tillage implements common to intensive potato production systems of Atlantic Canada, Kevin Tiessen, *Natural Resource Sciences*
- 10:45** A decision support system for phosphorus management at the field and small watershed scale, Baldur Bujatzeck, *Bioresource Engineering*
- 11:05** Modeling microorganism transport in riverbank filtration systems, Laura Mesones, *Bioresource Engineering*
- 11:25 Lunch (Faculty Meeting Room – MS2-084)**
- 13:00** Adapting to climate change in the water resources sector, Bano Mehdi, M.Sc., *Manager, Water Resources Sector of C-CIARN and Research Associate, Brace Centre for Water Resources Management*
- 13:30** Net ecosystem exchange from a cattail marsh in Eastern Ontario, Marie-Claude Bonneville, *Natural Resource Sciences*
- 13:50** Statistical downscaling of precipitation using NCEP predictors for a local site in Quebec, Sid Pharasi, *Civil Engineering and Applied Mechanics*
- 14:10** Irrigation scheduling as an adaptation measure for the Ontario fruit industry to climate change, Rufa Doria, *Bioresource Engineering*
- 14:30** Immunogenicity of a *Giardia lamblia* transmission-blocking DNA vaccine delivered by *Salmonella typhimurium* (STM1 strain) to the intestinal mucosal immune system, Aws Abdul-Wahid, *Institute of Parasitology*
- 14:50 Break (Coffee, water and snacks in the MS Alcove)**
- 15:05** Spatio-temporal distribution of potential aquifer recharge in the Basin of Mexico, Jaime Carrera, *Civil Engineering and Applied Mechanics*
- 15:25** Statistical downscaling of daily temperature extremes by regression methods, Qinglan Li, *Civil Engineering and Applied Mechanics*
- 15:45** Expression of a *Giardia lamblia* cyst wall protein in *Lactococcus lactis*, Peter Lee, *Institute of Parasitology*
- 16:05** Solving world sustainable and urban issues through better rural economy, Bijaya Adhikari, *Bioresource Engineering*
- 16:25** Closing Remarks, Chandra Madramootoo, *Dean, Faculty of Agriculture and Environmental Sciences*
- 16:45** Wine and Cheese, Faculty Lounge, Presentation of Competition Awards, Prof. Robert Kok, *Chair, Bioresource Engineering*

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