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.

Brace Centre for Water Resources Management
McGill University, Macdonald Campus
21,111 Lakeshore
Ste-Anne-de-Bellevue, Québec, Canada  H9X  3V9
Tel: 514.398.7833
Fax: 514.398.7767
brace@mcgill.ca
www.mcgill.ca/brace/

Seventh Annual Brace Research Day
February 14 2008, 9:30-17:00
Macdonald Stewart, Faculty Lounge
Macdonald Campus / McGill University
Schedule

9:15  Opening Remarks, Prof. Chandra Madramootoo, Dean, Faculty of Agriculture and Environmental Sciences


10:10 Coastal Erosion by Waves. Lai Wai Tan, Civil Engineering and Applied Mechanics

10:30 Environmental Prediction in Canadian Cities: Measuring Montreal and Vancouver's Urban Energy Balance. Eric Christensen, Natural Resource Sciences

10:50 Break

11:00 Studying Bacterial Growth Environmental Biotechnology: How to Use Genomic Data. Mohammad Tajparast, Civil Engineering and Applied Mechanics

11:20 Examining the Importance of Oxygen Tension on Bacterial Adhesion and Migration in Artificial Groundwaters. Felipe Castro, Chemical Engineering

11:40 From Forest to Lake: An overview of the Effect of Hydroelectric Reservoir Impoundment on CO2 Fluxes. Marie-Eve Lemieux, Natural Resource Sciences

12:00 Lunch (MS2-084)

13:00 Plant Water Status and Soil Moisture Condition as Indicators of Irrigation Needs of Peaches and Grapes in Southern Ontario. Rufa Doria, Bioresource Engineering

13:30 Removal of Veterinary Antibiotics by a Constructed Wetland. Azfar Hussain, Bioresource Engineering

13:50 Implementing Scientific Irrigation Scheduling to Improve the On-Farm Water Use Efficiency. Marie Helene Bernier, Bioresource Engineering

14:10 Reuse of Domestic Greywater for Irrigation of Food Crops. Sara Finley, Bioresource Engineering

14:30 A Quartz Crystal Microbalance Based Biosensor for Detection of Pathogenic Bacteria in Water. Charles Poitras, Chemical Engineering

14:50 Break

15:05 Nitrate and Orthophosphate Reduction from Agricultural Runoff in a Surface-Flow Constructed Wetland. Charlotte Yates, Bioresource Engineering


15:45 Predicting Concentrations of Micropollutants along the Wastewater Treatment and Collection Train: Making a Case for Source Separation. Usman Khan, Civil Engineering and Applied Mechanics

16:05 Water and Nitrogen Use Efficiency of Corn under Different Water Table Management Condition. Ajay Singh, Bioresource Engineering


16:50 Closing Remarks, Prof. Christophe Pierre, Dean, Faculty of Engineering

17:00 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
Dr. Caroline Begg, Organizer and Chair
caroline.begg@mcgill.ca  514.398.8749

Abstracts can be viewed at www.mcgill.ca/brace/publications/reports