

Schedule

- 9:30** Opening Remarks, David Lewis, *Associate Dean, Student Affairs, Faculty of Agriculture and Environmental Sciences*
- 9:40** Macroscopic and Microscopic Aspects of Microbial Transport in Porous Media, Nathalie Tufenkji., Assistant Professor, *Department of Chemical Engineering*
- 10:20** Phosphate sorption in a sandy-loam soil as affected by fertilizer sources, You Jiao, *Natural Resource Sciences*
- 10:40** Quantifying Nitrous Oxide Emissions from Agricultural Fields
Lynda Blackburn, *Natural Resource Sciences*
- 11:00 Break**
- 11:15** Flow Dynamics and Sediment Transport Around Paired Deflectors for Fish Habitat Enhancement, David Carre, *Civil Engineering and Applied Mechanics*
- 11:35** Development of Statistical Downscaling Methods for Simulating the Daily Precipitation at a Local Site, Sid Pharasi, *Civil Engineering and Applied Mechanics*
- 11:55** A Database Management System for Groundwater Modeling in the Basin Of Mexico, Jaime Carrera, *Civil Engineering and Applied Mechanics*
- 12:15 Lunch (Faculty Lounge)**
- 13:15** A Preliminary Study of Karst Surface Features in Support of Groundwater Management (Barbados): Procedures, Challenges, and Perspectives of GIS Application, Hsin-Hui Huang, *Bioresource Engineering*
- 13:35** Quantifying Tillage Translocation and Erosion under Intensive Potato Production Systems in North-Western New Brunswick, Kevin Tiessen, *Natural Resource Sciences*
- 13:55** Legume Production in Central Asia: Effects of Deficit and Alternate Furrow Irrigation on Common Bean (*Phaseolus vulgaris*) and Green Gram (*Vigna radiata*), Maryse Bourgault, *Plant Science*
- 14:15** Surface Irrigation for Spreading Dairy Farm Wastewater
Inamullah Ali, *Bioresource Engineering*
- 14:35** Modeling Crop Water Requirements for Irrigation Scheduling in Humid Regions, Rufa Doria, *Bioresource Engineering*
- 14:55 Break**
- 15:10** Malaria Vectors in an Irrigated and in a Rain-Fed District of Southern Sri Lanka, Angela Goodfellow, *Natural Resource Sciences*
- 15:30** Fate and Transport of Three Herbicides in an Agricultural Soil Irrigated with Municipal Wastewaters, Fahmida Nilufur, *Bioresource Engineering*
- 15:50** Application of the Soil and Water Assessment Tool (SWAT) to Two Agricultural Fields in the Pike Watershed, Quebec, Apurva Gollamudi, *Bioresource Engineering*
- 16:10** Virtual Competition: Adaptability, Marc Abbyad, *Bioresource Engineering*
- 16:30** An Investigative Study on Reed Canarygrass (*Phalaris arundinacea* L.): a Potential Biofuel Crop, Chris Wrobel, *Plant Science*
- 16:50** Closing Remarks, Chandra Madramootoo, *Director, Brace Centre for Water Resources Management*
- 17:00** Wine and Cheese, Faculty Lounge, Presentation of Undergraduate Essay Award and Competition Awards, Presenter: Robert Kok, *Chair, Bioresource Engineering*

For further information, contact

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