



Research Symposium 2013

THURSDAY, MAY 2, 2013

SYMPOSIUM PROGRAM

(as of April 24, 2013)

Session 1: Opening Plenary (Davis Centre, Room 1350)

| Time | Item | Presenter |
|-------------------------------|--|---|
| 8:00 to 9:00 | <i>Registration and Continental Breakfast</i> | |
| 9:00 to 9:05 | Welcoming Remarks | Dr. Bruce Mitchell <i>Associate Provost, Resources; Professor of Geography and Environmental Management</i> |
| 9:05 to 9:25 | Overview of Waterloo's Water Research Programs | Dr. Bob Gillham <i>Executive Director, the Water Institute</i> |
| 9:25 to 10:45 9:25 to 9:45 | Research Frontiers – Ecohydrology in Action | Dr. Philippe Van Cappellen <i>Canada Excellence Research Chair in Ecohydrology Professor, Department of Earth and Environmental Sciences</i> |
| 9:45 to 10:05 | – Climate Impacts on Hydrological Extremes | Dr. Donald Burn <i>Professor and Acting Chair, Department of Civil and Environmental Engineering</i> |
| 10:05 to 10:25 | – Governance in the Water, Energy, Food and Climate Security Nexus | Dr. Larry Swatuk <i>Associate Professor, School of Environment, Enterprise and Development</i> |
| 10:25 to 10:45 | – Water for Wellbeing in Marginalized Communities | Dr. Susan Elliott <i>Professor and Dean, Faculty of Applied Health Sciences</i> |
| 10:45 to 11:15 | <i>Coffee and Networking Break</i> | |



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Session 2: Concurrent Breakout Talks (Davis Centre)

| Time | Track | Topic | Presenter |
|-----------------------------|---|---|--|
| 11:15 to 12:30 (DC 1350) | Water and Oil Sands <i>Chaired by David van Vliet, Vice President, Matrix Solutions Inc.</i> | Use of sediment records to inform stewardship of water quality and quantity downstream of oil sands development | Dr. Tom Edwards <i>Professor, Department of Earth and Environmental Sciences</i> |
| | | Creating a fen peatland for oil sands reclamation | Dr. Jonathan Price <i>Professor, Department of Geography and Environmental Management</i> |
| | | Hydrogeology research needs and opportunities in the oil sands mining industry | Dr. Jim Barker <i>Professor Emeritus, Department of Earth and Environmental Sciences</i> |
| 11:15 to 12:30 (DC 1302) | Emerging Contaminants <i>Chaired by Dr. Earl Shannon, Former (emeritus) Principle and Vice President, Conestoga-Rovers & Associates</i> | Emerging contaminants in wastewater treatment | Dr. Wayne Parker <i>Professor, Department of Civil and Environmental Engineering</i> |
| | | Assessing ecosystem health in complex watersheds | Dr. Mark Servos <i>Professor, Department of Biology</i> |
| | | Re-engineering conventional technologies to maximize removal of pathogens and nanoparticles from water | Dr. Monica Emelko <i>Associate Professor, Department of Civil and Environmental Engineering</i> |
| 11:15 to 12:30 (DC 1304) | Water and Climate Change <i>Chaired by Tom Mahood, Vice President, CH2M HILL</i> | Protecting coastal communities from climate change | Dr. Johanna Wandel <i>Assistant Professor, Department of Geography and Environmental Management</i> |
| | | Numerical modelling of physical processes in lakes | Dr. Kevin Lamb <i>Professor, Department of Applied Mathematics</i> |
| | | The cryosphere and global environmental change | Dr. Richard Kelly <i>Professor, Department of Geography and Environmental Management</i> |



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Lunch (Festival Room, South Campus Hall)

| Time | Item |
|---------------|--|
| 12:30 to 2:00 | Buffet Lunch and Water Institute Scholarship Awards Presentation |

Session 3: Closing Plenary (Davis Centre, Room 1350)

| Time | Item | Participants |
|--------------|--|---|
| 2:00 to 3:00 | Roundtable Discussion: <i>Opportunities and Constraints for University - External Stakeholder Collaboration in the Water Sector</i> | Brenda Lucas, <i>Operations Manager, SOWC (Facilitator)</i> Dr. André Roy, <i>Dean, Faculty of Environment</i> Michaye McMaster, <i>Senior Scientist, Geosyntec Consultants</i> Tony Maas, <i>Freshwater Director, WWF Canada</i> Nancy Kodousek, <i>Director, Water Services, Region of Waterloo</i> |
| 3:00 to 3:10 | Closing Remarks | |

The Water Institute Distinguished Lecture 2013 and Reception (Math 3, Room 1006 & Atrium)

| Time | Title | Distinguished Lecturer |
|--------------|---|---|
| 3:30 – 5:00 | <i>Future of the World's Water: Rhetoric and Reality?</i> | Professor Asit K. Biswas Distinguished Visiting Professor, Lee Kuan Yew School of Public Policy, Singapore |
| 5:00 to 7:30 | Reception and Student Poster Exhibition | |