

# 9<sup>th</sup> Annual Earth Day Colloquium



**Thursday, April 12, 2012**  
 NiCHE Meeting Room – Lawson 2220D

| Time        |  |
|-------------|--|
| 1:00 – 2:00 | Workshop Lunch   |
| 2:00 – 3:30 | <b>Workshop with Dr. Michael Egan</b><br><a href="#">“No Nature: Uncertainty, Agnotology, and the Science of the Environmental Crisis”</a> |

North Campus Building 114

| Time        |  |
|-------------|--|
| 4:30 – 6:00 | <b>Keynote Address – Dr. Michael Egan</b><br>"The History of Now: Decoding Environmental Sustainability" |
| 6:00 – 8:00 | <b>Pub Night</b><br>Opening Reception at the Grad Club<br>including Green Trivia!                        |

**Friday, April 13, 2012**  
 North Campus Building 113 and 117

| Time        |   |
|-------------|---|
| 8:30 – 9:00 | <b>Registration and Continental Breakfast</b>   |
| 9:00 – 9:10 | <b>Greetings from the Centre for Environment and Sustainability (NCB 113)</b>   |
| 9:10 – 9:50 | <b>Invited Speaker – Dr. Patricia Chambers (NCB 113)</b><br>"Research and Science Policy: Experiences Gained From Canada’s Ecosystem and Issue Initiatives" |

**Session 1: 10:00 – 10:45 am**

**Concurrent Session 1a: NCB 113**

| Local Knowledge and International Awareness |                   |   |
|---|-------------------|---|
| Time  | Presenting Author | Title   |
| 10:00 – 10:15                               | Annya Pucan, Gobi | Indigenous peoples and their traditional knowledge: a |

|               |  |   |
|---------------|--|---|
|               | Sriranganathan, Emily Sugeran            | resource for community-based sustainable development                          |
| 10:15 – 10:30 | Miriam Katz                              | Stories of Activism: A Narrative Approach to the German Anti-Nuclear Movement |
| 10:30 – 10:45 | Silvia Sarapura                          | Peasant Women Preserving Native Potatoes in the Andes of Peru                 |
| 10:45 – 11:15 | <b>Poster Session &amp; Coffee Break</b> |   |

### Concurrent Session 1b: NCB 117

| <b>Heavy Metals and Fresh Water</b> |  |  |
|-------------------------------------|--|--|
| <b>Time</b>                         | <b>Presenting Author</b>                 | <b>Title</b>   |
| 10:00 – 10:15                       | Xue Lily Du                              | Unlocking the door to cyanobacterial blooms: siderophores are the keys   |
| 10:15 – 10:30                       | Phaedra Henley                           | Community-based Ecosystem Health at Walpole Island First Nation: An enhanced risk for incidence of type 2 diabetes and neurodevelopmental deficiencies from exposure to environmental contaminants |
| 10:30 – 10:45                       | Dr. Priyanka Saxena                      | Treatment of Vegetable greenhouse effluent by Microalgae : A new economical approach   |
| 10:45 – 11:15                       | <b>Poster Session &amp; Coffee Break</b> |  |

### Session 2: 11:15 am – 12:00pm

### Concurrent Session 2a: NCB 113

| <b>Environment, Governance, and Policy</b> |                          |   |
|--|--------------------------|---|
| <b>Time</b>                                | <b>Presenting Author</b> | <b>Title</b>  |
| 11:15 – 11:30                              | Monika Korzun            | Learning About European Union’s Geographical Indications Programs from the Expert/Local Knowledge Debate. |
| 11:30 – 11:45                              | Daniel Bednar            | Devils Lake: Flooded American Homes vs. Canadian Environmental Risk?                                      |
| 11:45 – 12:00                              | Krisztian Vas            | Sport Fishing Regulation Guidelines Violators and Ethnicity: Is there a Correlation?                      |

### Concurrent Session 2b: NCB 117

| <b>Biodiversity and Landscape</b> |                          |   |
|-----------------------------------|--------------------------|---|
| <b>Time</b>                       | <b>Presenting Author</b> | <b>Title</b>  |
| 11:15 – 11:30                     | William Van Hemessen     | Fostering Biodiversity in Human Habitats  |
| 11:30 – 11:45                     | Katie Millette           | The influence of landscape composition and configuration on patterns of genetic structure in the pitcher plant midge, <i>Metriocnemus knabi</i> (Diptera, Chironomidae) |
| 11:45 – 12:00                     | Cole Atlin               | Are Invasive Alien Species Pollutants?  |

|               |  |  |
|---------------|--|--|
| 12:00 – 12:50 | <b>Keynote Address – David Smith</b><br>“The Tipping Point: The Emerging Global Sustainability Measurement System and What It Means” |  |
|---------------|--|--|

**Lunch at the Grad Club**  
**1:00 – 2:00pm**

**Session 3: 2:00 – 2:45 pm**

**Concurrent Session 3a: NCB 113**

| <b>Alternative Energy</b> |                          |   |
|---------------------------|--------------------------|---|
| <b>Time</b>               | <b>Presenting Author</b> | <b>Title</b>  |
| 2:00 – 2:15               | Bipro Ranjan Dhar        | Current Status and Challenges of Membranes for Microbial Fuel Cell Application                                      |
| 2:15 – 2:30               | Phil Santana             | Green and Bare Roof Module Energy Balance Assessment  |
| 2:30 – 2:45               | Bimal Acharya            | Analysis of Energy Contents and Carbon Contents of Soybean Stover Biomass Samples of Different Locations of Ontario |

**Concurrent Session 3b: NCB 117**

| <b>Climate Change</b> |                          |  |
|-----------------------|--------------------------|--|
| <b>Time</b>           | <b>Presenting Author</b> | <b>Title</b>   |
| 2:00 – 2:15           | Julia Orlova             | Surface water and groundwater contributions to streamflow in the Hudson Bay Lowlands |
| 2:15 – 2:30           | Kenneth Mensah           | When sea dry we go by land: livelihood swap due to climate change                    |
| 2:30 – 2:45           | Aaron Gertz              | Do developing countries face a higher cost of reducing carbon emissions?             |

**Session 4: 2:45 – 3:35 pm**  
**5 min. Speed Talks**

**Concurrent Session 4a: NCB 113**

| <b>Time</b> | <b>Presenting Author</b> | <b>Title</b>   |
|-------------|--------------------------|--|
| 2:45 – 2:50 | Jenna Allan              | Light and Heat Selective Nano-films for Sustainable Greenhouses  |
| 2:50 – 2:55 | Michael W. Hamilton      | Reconstructing Fire Severity from the Oxygen-Isotope Compositions of Plant Char  |
| 2:55 – 3:00 | Oscar O. Donde           | Bacteriological analysis of fecal pollution and solar radiation disinfection of domestic water sources within Lake Naivasha Basin, Kenya |
| 3:05 – 3:10 | Melissa Raffoul          | Harmful cyanobacterial blooms in Lake Naivasha, Kenya: Causes, health risks and the way forward  |
| 3:10 – 3:15 | Cayla Bronicheski        | Fast food or fine dining: what's for dinner in our acidic ocean?   |
| 3:15 – 3:20 | Jacky Lee                | Reactive Transport of Heavy Metals in a Freshwater Beach, Great Lakes, Canada  |
| 3:20 – 3:35 |                          | Speed Talk Question Period   |
| 3:35 – 4:00 |                          | <b>Poster Session &amp; Coffee Break</b>   |

**Concurrent Session 4b: NCB 117**

| <b>Time</b> | <b>Presenting Author</b>  | <b>Title</b>  |
|-------------|---|---|
| 2:45 – 2:50 | Monique Gatner  | Urban Vacancies Revisited: Strategic re-integration of vacant lands into more sustainable land patterns |
| 2:50 – 2:55 | Suzanne Isaac   | Sweetgrass Teachings and Environmental Sustainability   |
| 2:55 – 3:00 | Sakshi Manocha & Anika Altiman  | Naturally-speaking: Educational connections of language and land  |
| 3:05 – 3:10 |   |   |
| 3:10 – 3:15 | Emmanuel Songsore   | Community Responses to Wind Energy Development in Ontario   |
| 3:15 – 3:20 | Shannon Roszell   | Towards Sustainism: A call for new aesthetics in theatre, live art and performance                      |
| 3:20 – 3:35 |   | Speed Talk Question Period  |
| 3:35 – 4:00 |   | <b>Poster Session &amp; Coffee Break</b>  |
| 4:00 – 4:40 | <b>Invited Speaker – Christine Holmes</b><br>"Growing Sustainable Students" |   |

**Student Award Presentation 4:40**

**Poster Session**  
**Question Periods: 10:45-11:15 and 3:35-4:00pm**

| <b>Presenting Author</b> | <b>Title</b>   |
|--------------------------|--|
| Shima Ahmadi             | Optimized synthesis of ceria supported silver nanocatalyst by means of gel casting technique using central composite experimental design |
| Nathaniel Bergman        | The Nahal Oz Reservoir dam-break flood: geomorphic impact on a small ephemeral loess-channel, Negev Desert, Israel                       |
| Jordan Brant             | Saving the Water: A Global Issue with a Community Perspective  |
| Ahmed Eldyasti           | Integrated Renewable Bioenergy System “THE fuel of the future”: A Fuel With ‘no’ carbon emissions”                                       |
| Kegan Farrick            | Near surface water storage dynamics in a Mexican tropical Dry forest: Over, under or through?  |
| Sidney Su Han            | Promoting Sustainability: How Consumers Respond to Sustainable Message?  |
| Ryan Howard              | John Muir's wilderness: The significance of place attachment   |
| Chris Kopar              | Urban Dweller Sadly Seeks Stellar Access   |
| Jin Li                   | Nanostructure-initiator mass spectrometry for analysis of peptides   |
| Nagham Mohammad          | Censored Gamma Regression for Forest Fire prediction   |
| Caitlin Port             | Aggregate site rehabilitation in the Region of Waterloo, Ontario: Challenges and Opportunities   |
| Allison Taziar           | Examining the decline of Atlantic cod stocks and management practices for stock recovery   |
| Jessi Tessier            | Growing Sustainable Indigenous Communities - Enriching a Community Garden  |
| Robin Wing               | Purple Crow LIDAR  |