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**10<sup>th</sup> Annual Earth Day Colloquium**  
**Friday, April 12, 2012**  
**North Campus Building**  
**Room 113 - Room Schedule**

9:00 – 9:05	<b>Greetings from the Centre for Environment and Sustainability</b>
9:05 – 9:50	<b>Sandra Tavares, Group Consulting</b>  <i>“Embedding Sustainability - The Toolkit”</i>

**Session 1:**

**Concurrent Session 1a: NCB 113**

<b>TITLE: Engineering Environments</b>		<b>Moderator: Dr. Clare Robinson, Engineering</b>
<b>Time</b>	<b>Presenting Author</b>	<b>Title</b>
10:00 – 10:15	Koosha Azhie, Western University	Antibacterial Studies on Green Coatings
10:15 – 10:30	Sara Al-timimi, University of Guelph	Treating Milk-House Wash-waters Using a Horizontal Subsurface Flow Constructed Wetland
10:30 – 10:45	Malihe Mehdizadeh Allaf, Western University	Effect of plant hormones on growth of algae
10:45 – 11:05	<b>Poster Session &amp; Coffee Break</b>	

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## Session 2:

### Concurrent Session 2a: NCB 113

<b>TITLE: Connecting with Nature</b>		<b>Moderator: Dr. Ian Colquhoun, Anthropology</b>
<b>Time</b>	<b>Presenting Author</b>	<b>Title</b>
11:05 – 11:20	Lorenna Bousquet-Kacera, founder of Shamanu	Deep Ecology: Living in Connection
11:20 – 11:35	Sonja Teichert, Western University	Citizen Science and Conservation Authorities: the role of volunteer benthic monitoring in freshwater management
11:35 – 11:50	Jennifer V. McDonald, Western University	Gardening with native species
11:50 – 11:55	<b>Break</b>	

11:55 – 12:40	<b>Brian Craig, President, Long Point World Biosphere Reserve Foundation</b>  <i>“The Long Point Causeway Improvement Project: Eco-passages and the Hydrological Connection of the Big Creek National Wildlife Area and Long Point Inner Bay.”</i>
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**Lunch at the Grad Club, 1:00 – 2:00 p.m.**

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## Session 3:

### Concurrent Session 3a: NCB 113

<b>TITLE: Mapping Environments</b>		<b>Moderator: Dr. Robert Klassen, Ivey School of Business</b>
<b>Time</b>	<b>Presenting Author</b>	<b>Title</b>
2:00 – 2:15	Chuging Zeng, Western University	Invisible eyes monitoring the Earth --- using remote sensing to reconstruct 3-D campus
2:15 – 2:30	Jacob Damstra	Mitigating threats to water security in the Great Lakes Basin: The necessity of Canadian-American policy harmonization
2:30 – 2:45	Qin Ma, Western University	Assessment of Multi-temporal RADARSAT-2 Polarimetric SAR Data for Crop Classification in Southwestern Ontario, Canada
2:45 – 2:50	<b>Break</b>	

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## Session 4:

### Concurrent Session 4a: NCB 113

<b>TITLE: Speed Talks</b>		<b>Moderator: Prof. Marnie Branfireun, CES</b>
<b>Time</b>	<b>Presenting Author</b>	<b>Title</b>
2:50 – 2:55	Jennifer McPhee, Western University	Increasing atmospheric nitrogen deposition: implications for tallgrass prairie restoration
2:55 – 3:00	Reyna Gomez-Flores, Western University	L'énergie peau neuve: How to transform agricultural waste into renewable biofuel
3:00 – 3:05	Shirley Ngai, Western University	Effects of Future Warming to Alpine Lakes: The Case of Uinta Mountain Lakes, Utah, USA
3:05 – 3:10	James McCain, Western University	Using optical signatures of the fish-killing alga <i>Heterosigma akashiwo</i> to characterize algal physiology
3:10 – 3:15	Mallory Frederick Jutzi, University of Guelph	Mathematics in Nature
3:15 – 3:20	Bryana McWhirter, Western University	Tree seedling establishment in response to warming and nitrogen addition
3:20 – 3:25	Julia Matheson, Western University	Toxic Tides: How will changing ocean acidity alter the growth and toxicity of the marine raphidophyte <i>Heterosigma akashiwo</i> ?
3:25 – 3:35	<b>Questions</b>	
3:35 – 4:05	<b>Poster Session &amp; Coffee Break</b>	
4:05 – 4:50	<b>Adam Scott, Climate and Energy Program Manager, Environmental Defense</b>  <i>“Canada’s tar sands Oil Pipelines: Climate Threat Or Energy Security”</i>	
4:50 – 5:00	<b>Closing Ceremony &amp; Awards</b>	

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

Friday, April 12, 2012

North Campus Building

**Room 117**

**Room Schedule**

## Session 1:

**Concurrent Session 1b: NCB 117**

<b>TITLE: Climate Change</b>		<b>Moderator: Dr. Sheila Macfie, Biology</b>
<b>Time</b>	<b>Presenting Author</b>	<b>Title</b>
10:00 – 10:15	Kayla Gradil, Western University	The Adaptive Capacity of Thermal Tolerance: Reintroduction of Atlantic Salmon into Lake Ontario
10:15 – 10:30	Matthew Vankoughnett, Western University	Combined effects of soil freezing and nitrogen addition on losses and interception of nitrogen over winter and summer
10:30 – 10:45	Ross Breckles, Western University	Evolutionary and plastic responses of sperm traits to increased temperatures in an ectothermic fish
10:45 – 11:05	<b>Poster Session &amp; Coffee Break</b>	

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## Session 2:

### Concurrent Session 2b: NCB 117

<b>TITLE: Biodiversity and Conservation</b>		<b>Moderator: Dr. Greg Thorn, Biology</b>
<b>Time</b>	<b>Presenting Author</b>	<b>Title</b>
11:05 – 11:20	Jenna Siu, Western University	Habitat use of two swallowtail butterfly species: Testing for positive edge responses in fragmented landscape
11:20 – 11:35	Katelyn Weaver, Western University	Habitat selection of Eastern Population of Tundra Swans during the non-breeding period
11:35 – 11:50	Lindsay Crawford, Western University	The relative influence of patch size, isolation and quality on the population genetic structure of a specialist butterfly ( <i>Lycaena epixanthe</i> )
11:50 – 11:55	<b>Break</b>	

## Session 3:

### Concurrent Session 3b: NCB 117

<b>TITLE: Environmental Ethics and Security</b>		<b>Moderator: Dr. Alan MacEachern, History</b>
<b>Time</b>	<b>Presenting Author</b>	<b>Title</b>
2:00 – 2:15	Shannon Roszell	Environmental Protest: purpose, problems and performance
2:15 – 2:30	Bjørnar Egede-Nissen, Western University	Geoengineering, ethics and the role of research communities
2:30 – 2:45	Jacqueline Noga, University of Calgary	An analysis of the Rio +20 Discourse using an ability expectation lens
2:45 – 2:50	<b>Break</b>	