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10th Annual Earth Day Colloquium
Friday, April 12, 2012
North Campus Building
Room 113 - Room Schedule

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

Session 1:

Concurrent Session 1a: NCB 113

TITLE: Engineering Environments		Moderator: Dr. Clare Robinson, Engineering
Time	Presenting Author	Title
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 Mehdizedah Allaf, Western University	Effect of plant hormones of growth of algae
10:45 – 11:05	Poster Session & Coffee Break	

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Session 2:

Concurrent Session 2a: NCB 113

TITLE: Connecting with Nature		Moderator: Dr. Ian Colquhoun, Anthropology
Time	Presenting Author	Title
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 managemen
11:35 – 11:50	Jennifer V. MacDonald, Western University	Gardening with native species
11:50 – 11:55	Break	

11:55 – 12:40	Brian Craig, President, Long Point World Biosphere Reserve Foundation <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

TITLE: Mapping Environments		Moderator: Dr. Sheila Macfie, Biology
Time	Presenting Author	Title
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	Renee Lazor, Western University	Understanding eutrophication through landscape change: how gradients of human activity relate to physicochemical conditions in southwestern Ontario
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	Break	

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Session 4:

Concurrent Session 4a: NCB 113

TITLE: Speed Talks		Moderator: Dr. Marnie Branfireun, CES
Time	Presenting Author	Title
2:50 – 2:55	Jennifer McPhee, Western University	Increasing atmospheric nitrogen deposition: implications for tallgrass prairie and forest 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 fresh-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	Questions	
3:35 – 4:05	Poster Session & Coffee Break	
4:05 – 4:50	Adam Scott, Climate and Energy Program Manager, Environmental Defense <i>“Canada’s tar sands Oil Pipelines: Climate Threat Or Energy Security”</i>	
4:50 – 5:00	Closing Ceremony & Awards	

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Friday, April 12, 2012

North Campus Building

Room 117

Room Schedule

Session 1:

Concurrent Session 1b: NCB 117

TITLE: Climate Change		Moderator: Dr. Robert Klassen, Ivey School of Business
Time	Presenting Author	Title
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	Poster Session & Coffee Break	

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Session 2:

Concurrent Session 2b: NCB 117

TITLE: Biodiversity and Conservation		Moderator: Dr. Greg Thorn, Biology
Time	Presenting Author	Title
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	Break	

Session 3:

Concurrent Session 3b: NCB 117

TITLE: Environmental Ethics and Security		Moderator: Dr. Alan MacEachern, History
Time	Presenting Author	Title
2:00 – 2:15	Jacob Damstra, Western University	Mitigating Threats to Water Security in the Great Lakes Basin: The Necessity of Canadian-American Policy Harmonization
2:15 – 2:30	Bjørnar Egede-Nissen, Western University	Geoengineering, ethics and the role of research communities
2:30 – 2:45	Jacqueline Bobier, Western University	Does the overproduction of corn in the US negatively impact ecosystem health?
2:45 – 2:50	Break	