

**Graduate Research Seminar ENVS*6900:
Thesis Proposal Defenses, 1-3 December, 2014**

Murray Room, Graham Hall 3301

(Student, title, and supervisor)

Monday, 1 December: 9:00 AM – 12:30 PM

- 9:00 Yau, Tiffany A revision of the New World fly genus *Bromeloecia*
(Diptera, Sphaeroceridae) (S. Marshall)
- 9:30 Singh, Jessica The effects of crop rotation systems on nitrous oxide emissions in
dairy operations in eastern Ontario (C. Wagner Riddle)
- 10:00 Barbour, Will Effects of multiple stress factors on fish growth rates in the
Laurentian Great Lakes (N. Rooney)
- 10:30 Leon-Cordero, R. The biology of gorse, *Ulex europeaus* L.), and its ecological
interactions as an invasive species (M. Anand)
- 11:00 Dai, Nancy Nickel concentration, bioaccessibility, and bioavailability in house
dust determined *in vitro* and *in vivo*: Exploring correlation and log-
normal relationships for risk assessment (B. Hale)
- 11:30 Bieg, Carling Quantifying a world fisheries continuum and investigating changes
in fish community structure in response to indiscriminate fishing
(K. McCann)
- 12:00 Muresan, Lucia New approaches in control of apple scab (*Venturia inaequalis*) in
organically managed orchards (P. Goodwin, D. Errampalli)
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Tuesday, 2 December: 12:30 – 4:00 PM

- 12:30 Tran, Newton Irrigation management strategies for nursery trees (*Thuja occidentalis* and *Acer rubrum*) based on plant water status measured with automated stem psychrometer (M. Dixon)
- 1:00 Vickers, Stephanie Improving a nutrient stressed watershed: Modeling phosphorous dynamics in agricultural soils of Lake Simcoe (L. Evans)
- 1:30 Vasiljevic, Kristina Effects of crop-rotation system and dairy cow manure on nitrogen leaching from mixed dairy and feed-crop operations (R. Gordon)
- 2:00 Debruyn, Amanda Do row width, harvest date, and fertilizer application method influence sugar yield from sugar beets? (L. van Eerd)
- 2:30 Patchett, Aurora Effects of fungal endophyte genotypes of *Neotyphodium lolii* associated with *Lolium perenne* (perennial ryegrass) on multitrophic interactions in the rhizosphere (J. Newman)
- 3:00 Harvey, Tara Quaternary geology and hydrogeology of a contaminated site in a complex ice marginal system, Cottage Grove, Wisconsin (E. Arnaud)
- 3:30 Daoust, Kristin Developing a predictive model using hydrological and biological indicators of aquatic ecosystem services in relation to forest disturbance (P. Sibley)
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Wednesday, 3 December: 9:00 AM – 12:30 PM

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| 9:00 | Capes, Donovan | Using heat as a tracer in angled boreholes sealed with underground liners to characterize the fracture network of an exposed bedrock river (B. Parker) |
| 9:30 | MacKay, David | Clothianidin residues in corn fields and their impact on honey bee survival, foraging behaviour, honey production and colony development (E. Guzman) |
| 10:00 | Morfin-R., Nuria | Interaction and effect of the insecticide clothianidin and the parasitic mite <i>Varroa destructor</i> on honey bee health (E. Guzman) |
| 10:30 | Walter, Deanna | Nutrient dynamics in a short rotation woody coppice plantation in southern Ontario, Canada (A. Gordon, N. Thevathesan) |
| 11:00 | Minigan, Jordan | Consequences of climate change for tick-borne bovine anaplasmosis and its vector, the American dog tick (<i>Dermacentor variabilis</i>), in Ontario (J. Newman) |
| 11:30 | Laird, Amanda | Metal mixtures in soils: Improving tools for risk assessment (B. Hale) |
| 12:00 | Zwayyer, Zainab | Production of blast furnace suitable biochar from pulp and paper industrial waste products (A. Gordon) |
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