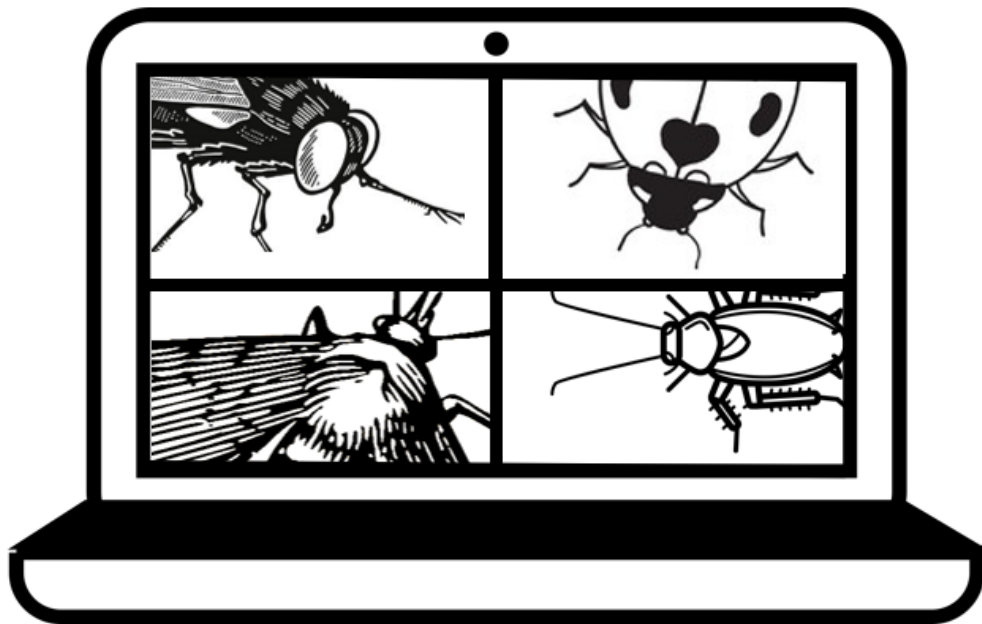




The Acadian Entomological
Society



Tentatively out of torpor

**The 79th Annual Meeting of the
Acadian Entomological Society
Truro, Nova Scotia – 22 July 2022**

Program

Friday, July 22

- 8:00-8:30 Registration
8:30-8:35 Opening comments

Keynote Address

- 8:35-9:15 **A long winter's nap – with company: why infection matters for overwintering insects and ticks**
Dr. Laura Ferguson

President's Prize Oral Session I

- 9:15-9:30 **Thermal immune performance in juveniles and adults of the mosquitoes, *Aedes aegypti* and *Culex pipiens***
Emma Rand
- 9:30-9:45 **A special kind of flash mob - The role of semiochemicals in mass outbreaks of *Mythimna unipuncta***
Sarah Koerte
- 9:45-10:00 **Investigating chemoreception and behavioural responses of *Tetranychus urticae* Koch to naturally-based repellents and acaricides**
Kayla Gaudet
- 10:00-10:15 **Detecting the spread of invasive mosquitoes and disease potential in Nova Scotia**
Taylor Swanburg
- 10:15-10:30 **Field crickets as weed control agents in wild blueberry systems**
Janelle MacKeil
- 10:30-10:45 **Break**

President's Prize Oral Session II

- 10:45-11:00 **Effects of imidacloprid basal bark sprays for hemlock woolly adelgid (*Adelges tsugae*) control on non-target pollinator communities in old eastern hemlock (*Tsuga canadensis*) forests in southwest Nova Scotia, Canada**
Luca Voskort
- 11:00-11:15 **How far can a fly fly? Spatial distribution of sarcosaprophagous *Diptera* in key habitats of Greater Moncton**
Denis R. Boudreau
- 11:15-11:30 **Identification of compounds produced by male hairpencil glands of Heliiothinae (Lepidoptera: Noctuidae) and their role in male autodetection and female mate acceptance**
Sandunika Ranmini Mullegama
- 11:30-11:45 **Characterizing pollen loads of wild bees in lowbush blueberry fields (*Vaccinium angustifolium* Aiton) during bloom using DNA metabarcoding**
Katherine Rutherford
- 11:45-12:00 **Phenotypic and molecular response in a beneficial insect predator stimulated by mild stress**
Rachel Rix
- 12:00-13:30 Lunch**

12:30-13:30

President's Poster Session I

Regular Session I

- 13:30-13:45 **Using digital "bycatch" to advance natural history in all types of ecosystems**
Paul Manning

- 13:45-14:00 **Bumble bee community composition across agricultural and forested landscapes in Maritime Canada**
Jess Vickruck
- 14:00-14:15 **Potential of a commercial *Beauvaria bassiana* strain against the European fire ant, *Myrmica rubra***
Barry Hicks
- 14:15-14:30 **Cold tolerance of the apple maggot fly and its endoparasitoid wasps**
Jantina Toxopeus
- 14:30-14:45 **Ticks in the Maritimes: A 10 year summary of ticks and tick-borne pathogens in the Canadian Maritimes**
Vett Lloyd
- 14:45-15:15 **Break**

14:45-15:15	President's Prize Poster Session II
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Regular Session II

- 15:15-15:30 **Combined effect of essential oil constituent and vegetable oil for aphid and mite control**
Seyed Ahsaei
- 15:30-15:45 **Horizontal and vertical movement of wireworms, *Agriotes Sputator* (Coleoptera: Elateridae) through soil.**
Christine Noronha
- 15:45-16:00 **Early Intervention Strategy for spruce budworm: Can we contain outbreak spread?**
Sara Edwards
- 16:00-16:15 **The prevalence of bee diseases in bumble bees from Labrador**
Barry Hicks
- 16:15-16:20 **Closing**

AES General Meeting

16:30-17:30 **AES General Meeting**

18:00 **Dinner**

