

Centre for Bee Ecology, Evolution and Conservation Speaker Series presents...



The Calculus of Honey Bees

with **MATTHEW BETTI**

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Pollinators are extremely important for their ecological and industrial impacts. The last 20 years have seen unprecedented loss of pollinator diversity and risks to honey bee health; one of our most industrious pollinators. There has been great effort to determine the risk factors for pollinators in our changing world and in the last five years we have begun to see rebounding honey bee populations. One tool that can be used to gain insight into

the mechanisms behind the observations we see is calculus. In this talk, we will discuss how to set up equations to simulate honey bee dynamics and how we can use these equations to gain insight into behaviours, evolutionary pressures and effects of disease and climate on honey bee health. We will discuss briefly how this could extend to other bees and pollinators as well.

Friday, December 4th, 2020

11:00 am – 12:30pm

To register for this, and future presentations, please visit <https://bees.yorku.ca/speaker-series/>



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Evolution and Conservation, please visit

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