

## APPLIED MATHEMATICS COLLOQUIUM

Date: Wednesday March 16, 2016

Time: 2:30 – 3:30 pm

Location: MC Room 204

### **Sex-specific migration timing in birds** Professor

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**Abstract:** In long distance migrants, the seasonal timing of migration is part of an evolved strategy to deal with spatio-temporal environmental variability and competition for resources. A dominant sex-specific migratory pattern is protandry, whereby males migrate and arrive earlier at breeding areas than females, likely as a strategy to maximize mating opportunities. In this talk, I will review protandry theory and will discuss some of our research to uncover the mechanisms of protandry that appear to be important for song birds. Specifically, our research explores sex-specific behaviour and timing of departure of warblers stopping over at Long Point, Ontario. I will end by trying to synthesize protandry theory with the theory of time-selected migration, which does not consider competition for mates.