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Other - LSU Faculty Candidate Seminar- Interdisciplinary Data Science and Biology Position

Taking the pulse of avian aerial passage in North America**Kyle Horton, Cornell Lab of Ornithology at Cornell University**

Postdoctoral Researcher

Digital Media Center Theatre
February 05, 2019 - 03:00 pm**Abstract:**

Avian migration is a global phenomenon with movements spanning thousands of kilometers through diverse environments. But quantifying first-principle parameters of migration, such as volume and timing, to characterize these movements at large spatial extents has proven challenging. These measures are critical for quantifying animal movement responses to changing landscapes, including airspace. With mounting evidence of avian population declines, there is an immediate need for constructing a monitoring network for these migratory movements. Kyle's work leverages more than two decades of radar data to highlight a novel opportunity for dynamic, predictive, and targeted conservation action to address aerial hazards, including light pollution, for nocturnally migrating birds.

Speaker's Bio:

Kyle Horton received his B.S. in Biology from Canisius College in 2011, M.S. in Wildlife Ecology from the University of Delaware in 2013, and Ph.D. in Ecology and Evolutionary Biology from the University of Oklahoma in 2017. He is currently a Rose Postdoctoral Fellow at the Cornell Lab of Ornithology. His work on migratory birds employs a range of tools and approaches, including the use of radar and citizen science data to address questions of conservation and climate change.

This lecture has refreshments @ 02:00 pm

