

Applied Mathematics Seminar



Dr. Shandelle Henson, Andrews University

Friday, March 17 1-1:50pm

MAK B 2-118 or [via zoom](#) (request password from ortizron at gvsu dot edu)

Climate Change and Tipping Points for Seabird Colonies in the Pacific Northwest

Abstract: Changes in sea surface temperatures in the Pacific Northwest are associated with changes in reproductive and feeding tactics in colonial seabirds. Warm years in the El Niño–Southern Oscillation are associated with short-term “lifeboat” tactics such as egg cannibalism that are not sustainable over the long term. Mathematical models suggest that prolonged rises in SST can create tipping points that allow colony collapse.



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*Hosted by the Mathematics Department, GVSU

