

# Applied Mathematics Seminar



Dr. Stacy DeRuiter – Calvin University

**Friday, Sept 18 1-1:50pm**

MAK A-2-610 (PCS) or [via zoom](#) (request password from ortizron at gvsu dot edu)

## The Wild Side of Calibration

**Abstract:** Recording animals' movements by equipping them with electronic tags now allows us to track their behavior in astonishing detail, but to make sense of it all, we also have to pay attention to the detailed applied math of data calibration and processing. It's especially true for tags with multiple sensors (like depth, acceleration, location, sound and more) recording for days at different rates. This talk will describe our adventures in building custom software for tag data, including some examples of odd “findings” that can result from data-handling mistakes - from sidestepping penguins to whales that swim in slo-mo or hesitate to breathe.



**More info:** <http://bit.ly/applied-math-seminar>

**\*\*Hosted by the Mathematics Department, GVSU**