



UNIVERSITY OF RHODE ISLAND

Department of Mathematics

Applied Mathematics and Scientific Computing Seminar & Dynamics Seminar

Location: Lippitt Hall 204

Time: Wednesday, October 31, 2018, 1:00pm
(refreshments at 12:50 p.m.)

Dynamical Systems in Neuroscience

by **Alyssa Zisk**

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Abstract: Neuroscientists use dynamical systems, both theoretically continuous and intentionally discrete, in order to model neurological processes. This includes models of single neurons, models of interactions between a few neurons, and systemic models. In this talk we are going to give an overview of some models and their applications.

The mathematical level of the talk promises to be accessible to everyone, including audience members with limited mathematics background. Graduate students are particularly encouraged to attend.