

**Department of Mathematics and Statistics Colloquium**

# **Neurons: Are you a mathematically computable model?**

James S. Sochacki

James Madison University

**Abstract:** The story of neuroscience is a long and interesting one. Descartes may be the one who started the process of mathematically modeling the neuron. Benjamin Franklin is often considered the father of neuroscience. Two biologists started the building of mathematical models for neurons. The Department of Mathematics and Statistics has its own interesting part in the mathematical modeling of neurons. I will discuss these accounts and try to get more people involved in working on this interesting problem.

**Monday, February 15 at 3:45 in Roop 103  
refreshments at 3:30**