



Meteorology M.S. Candidate  
Department of Atmospheric Sciences  
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Date: Wednesday, October 28, 2015  
Seminar Time: 3:30pm  
Location: Marine Sciences Building, MSB 100

## **Abstract:**

Artificial Neural Networks (ANNs) are nonlinear statistical models motivated by the physiological architecture of the human's nervous system. They involve a cascade of simple nonlinear computations that can implement robust and complex nonlinear functions. ANNs are considered to be “universal approximators” since they have the ability to calculate any function depending on the network configuration. Because of this remarkable quality, ANNs have been used for function approximation, pattern classification and prediction in atmospheric sciences since