



SPoRT Seminar Series Presents:

***DeepVision: Using Deep Learning for Earth
Science Image Classification/Retrieval***

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Date: Wednesday, February 17, 2016

Time: 10:00 A.M.

Location: SPoRT VCL (NSSTC 3027)

Abstract:

Deep learning has gained popularity over the last decade due to its ability to hierarchically learn complex data and generalize the learned model to unseen data. When applied to image recognition and classification tasks, deep learning has produced state-of-the-art results. As part of a NASA AIST project, researchers at UAH and NASA/MSFC have used deep learning techniques for classification of Earth science images with superior results when compared to traditional techniques. Early results from deep learning-based image classification and retrieval for Earth science phenomena will be presented. In addition, deep learning-based application study of object recognition for Earth science images will be discussed.