

**SSEC/CIMSS  
Seminar**

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CIMSS/SSEC**

**Improvements in the Statistical Prediction of  
Tropical Cyclone Rapid Intensification**

The National Hurricane Center currently uses a skillful probabilistic rapid intensification (RI) index (RII) based on linear discriminant analysis of the environmental and satellite-derived features from the Statistical Hurricane Prediction Scheme (SHIPS) dataset. In this presentation, two new probabilistic models for RI prediction, along with the benefits of using an ensemble-mean of multiple models, will be reviewed. The remainder of the presentation will focus on the benefits of using structural predictors based on microwave imagery.

**Thursday, 24 March 2011**

**2:00 p.m.**

**Room AOSS 351**