

Lectures on Pure and Applied Physics

Research Topics in the Mathematical Sciences



Announcing

**A Seminar Presentation
on May 9, 2013 at 10:00 am
in Kaplan 103**

at The University of New Haven

Dr. Shaunna Donaher

University of Miami, RSMAS

Title: Tropical Cyclone Rainbands over land in South Florida: Radar Observations and their Educational Applications

Abstract:

This talk presents observations of the wind structure observed in rainbands over land in South Florida during three tropical cyclones in 2008. An overview of the experiment and remote-sensing instrumentation will be given, and average wind profiles during fourteen stratiform periods will be presented. Variability between the rainbands is examined and related to storm conditions. Additionally, an educational study is presented which uses wind profiles from three stratiform cases to evaluate the use of field data in undergraduate meteorology classroom. An inquiry-based lab approach and a traditional “cookbook” lab approach were tested, with student attitude toward science and content knowledge and retention evaluated.

Further Information

For further information, please contact the Department of Mathematics.