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Date: [Wednesday, December 2, 2015](#)  
Seminar Time: [3:30pm](#)  
Location: [Marine Sciences Building, MSB 100](#)

## **Abstract:**

The physical processes governing the feedback between tropical cyclone (TC) intensification and structural changes are not fully understood. Recent studies have proposed that the structure and convective activity of intensifying TCs differs from those that are steady state. The efficiency of intensification has been attributed to the radial location of convective bursts with respect to the radius of maximum tangential wind (RMW), where intensifying TCs were characterized by convective bursts radially inward of the RMW as opposed to outward for steady state TCs. Understanding the link between the physical processes responsible for intensity change and radial structure differences could lead to more accurate TC intensity forecasting.

A comprehensive examination of TC kinematic and thermodynamic structure in the Atlantic basin is