



Getting to the Bottom of Things: A New Coastal Bottom Drifter

by **Dr. Lena M. Schulze, PhD., Florida State University**

In the last decade improvements on sampling the ocean have emphasized the upper ocean, while the ocean bottom is usually considered to be dangerous for autonomous instruments such as gliders and floats. Our new profiling platform called the 'Coastal Bottom Drifter' that was designed for exactly that: to observe the bottom environment of the ocean, and to record various physical and biochemical parameters. It can be deployed for days or up to several month and will help to close a gab in our understanding of coastal ocean dynamics that are so crucial to ecosystems, fisheries and the worlds climate.



Thursday- May 10, 2018

at 7pm

**FSUCML Auditorium
Free & Open to the Public**

Refreshments Available Before Lecture

Speaker Bio: Dr.Lena Schulze is a physical oceanographer at the Geophysical Fluid Dynamics Institute at FSU. She is interested in currents in the worlds oceans, dynamics in the Antarctic region and ocean instrumentation. Much of her work involves fieldwork and expeditions on research ships. Currently she is working on deep currents in the Chile Basin, the Antarctic Slope Current in the Bellingshousen Sea, and the development and testing of the Coastal Bottom Drifter.



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