



The Fall 2019 Physical Oceanography Seminar series presents:

Dr. Dajuan Kang,
Rutgers University
September 13th, 2019



Title: Energetics and variability of the Gulf Stream and mesoscale eddies

Abstract: The Gulf Stream and associated mesoscale eddies significantly influence the transport and mixing of energy, momentum, and biogeochemical properties in the Northwest Atlantic ocean. A thorough examination of their energetics and variability is essential to understand the North Atlantic general circulation and their impacts on the regional climate and ecosystem. We perform detailed analysis of the GS and mesoscale eddies using both numerical and theoretical approaches. In particular, I will introduce the eddy detection-tracking method and the eddy energetics analysis framework that I developed. I will also discuss applications of these research approaches and results in examining eddies' impact on the environment and ecosystems.

Seminars are in Corless Auditorium (Watkins Building) at **10:30am**, followed by lunch in Nautilus Galley. Please contact Sarah & Luis if you would like to schedule an individual meeting with the presenter (Sarah_nickford@uri.edu, luispomales@my.uri.edu).