



OLD DOMINION UNIVERSITY

Center for Coastal Physical Oceanography

Fall 2023 Virtual Seminar Series

Title "New Perspectives on Shelfbreak Exchange Processes in the Middle Atlantic Bight"

Speaker Glen Gawarkiewicz, Woods Hole Oceanographic Institution

Date Monday, October 16, 2023

Time 3:30 PM EST

Zoom Info [Link](#)

Meeting ID: 953 7190 2290

Passcode: 492189

Abstract The Middle Atlantic Bight has been warming significantly in recent years. This has had a major impact on shelfbreak exchange processes. Along with the warming is an increase in variability of the Gulf Stream. A combination of observations from the OOI Pioneer Array, as well as Cooperative research with the Commercial Fisheries Research Foundation of Rhode Island, will be used to describe exchange processes in recent years. This will include both mid-depth Salinity Maximum intrusions, as well as bottom intrusions. Implications for offshore wind development and marine conservation will be discussed.

Biography Glen Gawarkiewicz is a physical oceanographer at the Woods Hole Oceanographic Institution. His primary research focus is shelfbreak processes. His interests include ocean observatories, climate change impacts including ocean warming, cooperative research with the commercial fishing industry, scientific use of Autonomous Underwater Vehicles, and effects of oceanographic processes on the propagation of underwater sound. He is a member of the Squid Squad, an informal group that regularly discusses issues pertaining to harvesting of squid in the northeast.