THE UNIVERSITY OF MAINE

https://umaine.edu/marine/home/sms-seminar-series/

Zoom connection: https://maine.zoom.us/j/785936333

School of Marine Sciences presents…

Dr. Fei Chai

School of Marine Sciences, University of Maine

Future Changes of Nutrient Dynamics and Biological Productivity in California Current System

Friday, February 1, 2019

Room 354 Aubert Hall

11:00 AM

Polycom availability with Darling Marine Center, Gulf of Maine Research Institute, and Bigelow Laboratories

A leading hypothesis relating ocean productivity and global warming is that warming increases upper ocean stratification and decreases vertical mixing, thus hampers vertical exchange of nutrient across the pycnocline and declines productivity in the upper ocean. Eastern boundary upwelling ecosystems such as the California Current System (CCS) are productive regions sustained by the supply of cool and nutrient-rich waters to the sunlit surface layer controlled mostly by alongshore winds. How will the future warming climate affect nutrient transport and biological productivity in CCS? In this talk, I will show some modeling results to answer this question.

Host: Mark Wells