

UNIVERSITY OF RHODE ISLAND
Department of Chemistry
SEMINAR

Room 105 Beupre
3:00 P.M., Monday, Feb. 24, 2020

Prof. Jaime B. Palter
URI Graduate School of Oceanography
Narragansett, RI

**“Climate change and the ocean
(a hybrid research talk
and workshop)”**

HOST

Dugan Hayes
Department of Chemistry
401-874-5516

Climate change and the ocean (a hybrid research talk and workshop)

Jaime B. Palter

URI Graduate School of Oceanography

The ocean is a central player in climate change: it has absorbed about 25% of the carbon dioxide emitted to the atmosphere since the start of the Industrial Revolution and over 90% of the heat retained by climate system due to rising atmospheric greenhouse gas concentrations. I will give an overview of two research projects. The first aims to more accurately measure ocean carbon uptake by taking advantage of unmanned ocean vehicles. The second considers how the ocean will respond to future climate change and how that answer depends on global emissions pathways. After that, we will engage in a workshop that uses an interactive tool to understand what global-scale actions are best equipped to prevent the harms of future climate change. The latter half will be interactive - so think ahead about burning questions you have about climate change and our societal response to it. You may wish to bring a laptop.