



Fall Seminar Series

Thursday, November 10th @ 3 pm

Room 200 Oceanography & Physics Building

Or Via Zoom

Jim Kinter

**Center for Ocean-Land-Atmosphere Studies
George Mason University**

**Resolving the Earth System at Actionable Scale:
Current Challenges and Prospects for the Future**

Earth system modeling at actionable scale will be discussed. In particular, the current state of the art and the future potential to run global models at ultra-high resolution - with grids that allow or resolve atmospheric convection, oceanic eddies, landscape scale variations in soil type and vegetation, and leads and polynyas in sea ice – will be described. Such models are needed to directly represent the phenomena that give rise to extreme events that stress infrastructure such as flash floods, riverine floods, and coastal erosion and incursion. Three projects conducted about a decade ago will be used to illustrate the promise and challenges.

Join Zoom Meeting

Please Contact Susan Craig for Zoom Link. oesadmin@odu.edu