



**Climate Program Opening Workshop
August 21-25, 2017**

Lecture: *Some Statistical Challenges in Studying the West Antarctic Ice Sheet*

Speaker: Murali Haran

Abstract:

The melting of the West Antarctic ice sheet (WAIS) is likely to cause a significant rise in sea levels. Studying the present state of WAIS and predicting its future behavior involves the use of computer models of ice sheet dynamics as well as observational data. I will outline general statistical challenges posed by these scientific questions and data sets.

This discussion is based on joint work with Yawen Guan (Penn State/SAMSI), Won Chang (U. of Cincinnati), Patrick Applegate, David Pollard (Penn State)