



# UNIVERSITY

The Doctoral Program in Environmental Management and  
MSU Sustainability Seminar Series Present:

## Extreme Weather and the Arctic Meltdown: How Are They Connected?

WHEN: October 2, 4:00 pm WHERE: CELS 120 lecture hall

**Dr. Jennifer Francis**

**Rutgers Department of Marine and Coastal Sciences**



Jennifer Francis earned a B.S. in Meteorology from San Jose State University in 1988 and a PhD in Atmospheric Sciences from the University of Washington in 1994. As a professor at Rutgers University since 1994, she has taught courses in satellite remote sensing and climate-change issues, and also co-founded and co-directed the Rutgers Climate and Environmental Change Initiative. Presently she is a Research Professor with the Rutgers University Department of Marine and Coastal Sciences where she studies connections between climate change and extreme weather.

Does it seem as though the weather gods have gone crazy lately? It is not your imagination. The question on everyone's minds is why? And is it related to climate change? In this presentation, Dr. Francis will explain new research that links increasing extreme weather events with the rapidly warming and melting Arctic during recent decades. Evidence suggests that Arctic warming is causing weather patterns to become more persistent, which can lead to extremes such as droughts, cold spells, heat waves, snowy winters, and some flooding events.