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Extreme weather risks and decisions in society

This presentation will discuss research to understand and improve weather risk communication and societal decision making, with a focus on tropical cyclone hazards. I will begin by describing how reducing the negative impacts of extreme weather risks requires understanding interactions among physical and human systems. Next, I will discuss the roles of scientific information and risk communication in weather and climate decision making, together with other influencing factors. I will then describe how creation, communication, interpretation, and use of weather information in the modern environment is a complex, non-linear system, and how this dynamic perspective opens up new opportunities for research and practice. I will also present examples from research illustrating how different types of interdisciplinary methods, including interviews, social media data analysis, surveys, and computational modeling, can be used to build understanding and develop strategies for improving outcomes when extreme weather threatens.

Time: Thursday, October 20, 2022 @ 3:00 PM
Location: 1044 EOA
Host: Dr. Allison Wing