



Dr. Kerry Emanuel

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DATE: June 13th

TIME: 12:30 PM EDT

LOCATION: Remote (Instructions: <https://bit.ly/2Lk9UcN>)

“Hurricanes, Climate Change, and Society”

ABSTRACT

Hurricanes are among both the most lethal and the most damaging of natural phenomena, globally. In this short talk, I will review what is known about the climatology and physics of hurricanes as well as the toll they take on civilization, and go on to describe the astonishing progress that has been made in detecting, measuring, and forecasting these storms. The talk will conclude with a presentation of evidence that global climate change is increasing the incidence of high-intensity hurricanes and hurricane rainfall; coupled with rising sea levels, this presents a threat of increased flooding of coastal cities.

Sponsored by the National Science Foundation’s Weather, Climate, and Society’s Research Experience for Undergraduates Program, the University of South Florida, and the West Central Florida Chapter of the American Meteorological Society.