



Dr. Michael Mann

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DATE: July 18th

TIME: 12:30 PM EDT

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

“Dire Predictions: Understanding Climate Change”

ABSTRACT

This lecture will begin with a review of the now-solid evidence for a human influence on the climate of recent decades. Such evidence includes instrumental measurements available for the past two centuries, paleoclimate observations spanning more than a millennium, and comparisons of the predictions from computer models with observed patterns of climate change. The lecture will then address future likely impacts of human-induced climate change including possible influences on sea level rise, severe weather, and water supply. The presentation will discuss some of the latest research indicating that many impacts, including more extreme weather, coastal flooding, collapsing ocean currents, are occurring sooner and with greater magnitude than predicted only a few years ago. The lecture will conclude with a discussion of possible solutions to the climate change problem.

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.