



NSF·Duke·NCSU·UNC

Joint MUMS Program Transition - SPUQ Workshop

May 14-17, 2019

SPEAKER/ABSTRACT

Matthew Plumlee, Northwestern University

“Emulation for Forecasting Storm Surge”

Abstract:

Emulators often viewed as replacements of a computer simulation model to perpetually supplant the computationally expensive simulation. This is not the case when the simulated phenomenon of interest is a singular event. This talk will outline an attempt to create an emulation strategy for forecasting the resulting surge after a unique hurricane. Michael from 2018 was used as a testbed for this investigation.