

Cody Fritz

Storm Surge Specialist National Hurricane Center

Cody Fritz, Ph.D., is a storm surge specialist at NOAA's National Hurricane Center in Miami, Florida.

Dr. Fritz received his Bachelor of Science Degree in Atmospheric Science from the University of Missouri (2009) and his Master of Science and Doctorate degrees in Atmospheric Science from the University of Illinois (2011, 2017). During his time at the University of Missouri, he was awarded the Ernest F. Hollings Undergraduate NOAA Scholarship (2007) and participated in the internship program as a National Weather Service (NWS) Hollings intern for the Charleston, SC weather forecast office. While at the University of Illinois, he worked extensively with high-resolution numerical models to evaluate the pre-genesis evolution of convection and precipitation during tropical cyclone formation. During this time, he also took part in the Pre-Depression Investigation of Cloud-Systems in the Tropics (PREDICT) field campaign as a nowcaster for National Science Foundation (NSF) in-flight operations.

Prior to completing his Doctorate at the University of Illinois, he began working at the National Hurricane Center as a Visiting Scientist for the University Center for Atmospheric Research (UCAR). His position involved updating the Sea, Lake and Overland from Hurricane (SLOSH) model basin database for the NWS and assisting in the operational coordination and communication of real-time storm surge forecasts with Hurricane Specialists and local NWS forecast offices during tropical cyclone landfall events.



In 2017, Dr. Fritz was hired by NOAA to his current position in the Storm Surge Unit (SSU) of the National Hurricane Center, working closely with the hurricane specialists to produce storm surge forecasts and products in land-threatening tropical cyclone situations.

Dr. Fritz conducts training sessions related to hurricane storm surge and SLOSH model applications for emergency managers at Federal Emergency Management Agency (FEMA) sponsored workshops and national hurricane conferences, acts as a liaison to other NOAA agencies as well as the university community as it relates storm surge research and development, assists the SSU team lead with planning and budget of annual activities, and helps coordinate with FEMA, U.S. Army Corps of Engineers (USACE), and others on storm surge related activities.

Dr. Fritz has authored or co-authored several papers in peer-reviewed journals. He is also an active reviewer for many scientific journals, including the Monthly Weather Review, the Journal of Geophysical Research, and the Quarterly Journal of the Royal Meteorological Society. He has presented at numerous meteorological meetings, specializing in tropical cyclone genesis and storm surge. He is a member of the American Meteorological Society and American Geophysical Union.

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