Special Issue

Extreme Tropical Cyclones

Message from the Guest Editors

Atlantic tropical cyclones have wreaked havoc on coastal and inland communities, with Hurricanes Harvey, Irma, Maria, Florence and Laura being typical and recent examples. The 2020 hurricane season may be one of the most active Atlantic tropical cyclone seasons in recent decades. This Special Issue will focus on understanding, simulation, and attribution of extreme events in terms of the frequency, landfall, intensity, translational speed, and rainfall of Atlantic tropical cyclones by combining observations, numerical models, and big data/machine learning technologies.

Guest Editors

Dr. Wei Zhang

Dr. Kevin A. Reed

Dr. Kimberly Wood

Dr. Maofeng Liu

Deadline for manuscript submissions

closed (31 October 2021)

MDPI

About the Journal

Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

Editor-in-Chief

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