

Special Issue

Modeling and Monitoring Climate Extremes and Impacts on Natural-Human Systems

Message from the Guest Editors

This Special Issue aims to solicit original scientific contributions from the broader community related to climate and atmospheric sciences, hydrology, and remote sensing, on the following topics: (1) The variability of climate forcing and hydrological feedback; (2) the detection/attribution of extreme events, and impact assessment; (3) the modeling of interactions between nature and human society; and (4) remote sensing hydrology and data-model integration. Studies that focus on modeling and/or monitoring behaviors as coupled natural-human systems against extreme climatic perturbation from multi-scale perspectives are particularly encouraged, but studies related to the general areas of climate and hydrological extremes, climate change and impact assessments, sustainability science, numerical model development, and the development of remote sensing algorithms are equally welcome.

Guest Editors

Prof. Dr. Hyungjun Kim

Prof. Jin-Ho Yoon

Dr. John T. Reager

Dr. Yadu Pokhrel

Deadline for manuscript submissions

closed (31 December 2019)



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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

Dr. Daniele Contini

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