Special Issue

Advances in Atmospheric Electricity

Message from the Guest Editors

The study of atmospheric electricity began around the time of Benjamin Franklin. Since then, the increasing efforts to monitor the occurrence of atmospheric electricity, the design of laboratory experiments of electrical discharges, and the development and improvement of computational models of electrical discharges help to expand our knowledge of atmospheric electricity. The aim of this Special Issue is to provide recent advances in atmospheric electricity. Specific topics include but are not limited to: Relationships between meteorology and atmospheric electricity, including lightningRemote sensing of atmospheric electricity phenomenaNow-casting and forecasting of thunderstormsThunderstorm dynamics and microphysicsChemical role of atmospheric electricity in the atmosphereDevelopment of lightning detection networks and other instruments devoted to investigate atmospheric electricity Modeling of thunderstorms, lightning, TLEs, and TGFsLaboratory experiments of electrical dischargesHigh-energy radiation from thunderstormsLightning-ignited wildfiresLightning and climate change

Guest Editors

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Deadline for manuscript submissions

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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

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