Special Issue

Atmospheric Electricity

Message from the Guest Editors

Recently, challenging research topics such as the relationship between atmospheric electricity and biological/biochemical effects and the relationship between atmospheric electricity and climate/severe-weather have become the focus of new and groundbreaking research. Orbiting satellites and lightning detection systems are producing new data and numerical modelling, including artificial intelligence applications, are yielding new and exciting insights into the nature of thunderstorms. Therefore, we are planning a Special Issue dedicated to the contributions covering all areas related to atmospheric electricity. A Special Issue on atmospheric electricity is, therefore, open to the multi-disciplinary and various studies from a conventional research field such as global electric circuit, lightning physics, aerosol and cloud microphysics, and thunderstorm electrification, to a modern research field such as lightning/thunderstorm-generated energetic radiation, transient luminous events, and the evolution of the Earth's climate. We welcome contributions of various article types such as original research and reviews.

Guest Editors

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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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