

Special Issue

Recent Advances in Lightning Research

Message from the Guest Editors

Lightning is a powerful electrical discharge that takes place in the Earth's atmosphere. Events that take place during a lightning discharge are of interest to physicists, engineers, and environmental scientists. Significant advances in the different areas of lightning research have been made in recent years. The aim of this Special Issue is to update the current state-of-the-art research into lightning and lightning protection. Accordingly, the Special Issue will address all areas of lightning research, including the physics of a lightning flash and its modelling, protecting structures from lightning, systems which locate potential lightning strikes, the indirect effects of lightning on electromagnetic fields, including electromagnetic coupling models, and the ways in which the Earth's atmosphere can be modified by lightning. We welcome contributions in the form of original research papers or review papers related to any of these subjects.

Guest Editors

Prof. Dr. Vernon Cooray

Prof. Dr. Farhad Rachidi

Prof. Dr. Marcos Rubinstein

Deadline for manuscript submissions

closed (31 May 2024)



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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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