

Special Issue

Lightning Physics

Message from the Guest Editors

We invite researchers to contribute original research and review articles related to lightning physics. The aim of this Special Issue is to report recent findings and summaries related to the physics of lightning. Studies investigating any combination of theory, observation techniques, experiments, and modeling in connection with lightning physics are welcome. Topics of interest include (but are not limited to):

- Atmospheric electricity;
- Lightning electromagnetics;
- Lightning detection and protection;
- Lightning laboratory experiments and techniques;
- Meteorology and climatology of lightning;
- Physics of streamers and leaders;
- Narrow bipolar events (NBEs)/compact intra-cloud discharges (CID);
- Preliminary Breakdown (PB) and Fast Breakdown (FB);
- High-energy radiation from lightning, terrestrial gamma-ray flashes (TGFs), terrestrial electron beams (TEBs) and positron and neutron production;
- Transient luminous events (TLEs).

Guest Editors

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Deadline for manuscript submissions

closed (28 September 2022)



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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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