Special Issue

Ionospheric Monitoring and Modelling for Space Weather

Message from the Guest Editors

Over the last decades, our scientific understanding and user's community appreciation of the ionospheric space weather and its impacts on Earth environment, some of the technological systems and human beings priority areas have changed considerably. This Special Issue focuses on monitoring, and current and future programs for space and ground-based observations of the Earth's ionosphere proposing innovative ideas. It would also identify most important results and findings in the world-wide international domain that need additional examination and development in ionospheric weather mapping and modelling. These include selected review and featured papers on: - General monitoring and modelling related topics;
- Geophysical conditions for enhanced hazard in ionospheric space weather;
- Physics and dynamics of the Earth's ionosphere from equatorial to high latitude; If you are interested to take advantage of this opportunity, please send us an email with a tentative title and short abstract by 31 December 2020. We look forward to hear from you,

Guest Editors

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Deadline for manuscript submissions

closed (1 December 2021)

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mdpi.com/si/64386

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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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