Special Issue

Radiowave Propagation in the Atmosphere: Bridging Signal Physics and Technological Innovation

Message from the Guest Editors

This Special Issue focuses on advancing the interdisciplinary field of radiowave propagation in atmospheric environments, emphasizing the synergy between fundamental signal physics and the cutting-edge technological applications of radiowave propagation. We aim to address critical challenges in understanding how radiowaves interact with atmospheric constituents (e.g., tropospheric turbulence and hydrometeors) and how such interactions can be harnessed to drive innovations in atmospheric monitoring, communication systems, and environmental sensing.

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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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