

## Special Issue

# Electromagnetics and Polarimetric Weather Radar

### Message from the Guest Editors

This Special Issue, while largely dedicated to the role of electromagnetics in dual-polarization weather radars, has a much broader scope and includes radio wave propagation, scattering models for complex shaped hydrometeors, the polarimetric-basis for retrieval of microphysical parameters and processes, microphysical models and coupled radar forward models, rainfall estimation, winter precipitation estimation, hydrometeor classification, and so on. With the rapid advances in phased array technology, articles describing the polarimetric measurement accuracies or recent measurements from such advanced radars are invited. Articles involving the polarimetric radar studies of non-meteorological phenomena, such as insects and bird migration, are also welcome.

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### Guest Editors

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### Deadline for manuscript submissions

closed (15 January 2020)



## Atmosphere

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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!

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### Editor-in-Chief

Dr. Daniele Contini

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