

Special Issue

Cloud and Precipitation Remote Sensing

Message from the Guest Editor

Clouds and precipitation are fundamental to most aspects of human life: the former affect the planet's energy balance, while the latter is essential for delivering and sustaining supplies of freshwater. However, when heavy rainfall occurs, numerous hazards can also occur, such as flooding and landslides. For these reasons, remote sensing of clouds and precipitation is a hot topic in the area of atmospheric remote sensing. Over the last few years, optical, thermal infrared, and microwave remote sensing have achieved great results using both ground-based and satellite instruments in the retrieval process of cloud and precipitation properties, such as size, height, depth, and microphysical parameters of clouds, as well as amount and type of precipitation. This Special Issue is expected to advance our understanding of ground-based and satellite remote sensing of clouds and precipitation. Therefore, we invite authors to submit original and review manuscripts on all aspects of this area of research.

Guest Editor

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Deadline for manuscript submissions

closed (30 April 2020)



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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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