Application of Doppler Radar in Severe Weather Forecast

Guest Editor:

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closed (26 September 2023)

Message from the Guest Editor

Dear Colleagues,

The Special Issue will examine the future of Doppler radar technology and its potential to improve severe weather forecasting. The Special Issue will discuss emerging technologies, such as dual-polarization radar and phased array radar, and how they may enhance Doppler radar's ability to detect and track severe weather events.

Overall, this Special Issue will provide a comprehensive overview of the application of Doppler radar in severe weather forecasting and its potential to improve our ability to predict and prepare for severe weather events.

Dr. Jiaxi Hu
Guest Editor

Special Issue

Editor-in-Chief

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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!

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