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Radar-Based Studies of Precipitation Systems and Their Microphysics

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Deadline for manuscript submissions:

closed (31 March 2022)

Message from the Guest Editors

Dear Colleagues,

Radar-based studies on understanding precipitation systems and their microphysical processes have dramatically advanced for the last few decades due to technological development of weather radars, in particular, dual-polarimetric radars and multiwavelength radars and advanced theory of the microphysical processes. This advancement continuously expands the fields of application of weather radar remote sensing.

With this Special Issue, we systematically document state-of-the-art research that specifically addresses various aspects of weather radar applications into (1) precipitation (rain and snow) estimation, (2) description and understanding of microphysical processes, (3) comprehensive studies of microphysical aspects of precipitation systems, (4) ground and/or space-borne observation of precipitation, (5) precipitation process study with advanced measurements, and (6) scale aspects of precipitation systems. Review contributions are most welcome and papers describing new techniques, concepts, and comprehensive understanding of precipitation are desired.

Prof. Gyuwon Lee

Prof. Alexander Ryzhkov

Guest Editors



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Special Issue



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