



Microwave Remote Sensing of the Atmosphere: Current Progress and Future Vision

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Message from the Guest Editors

Dear Colleagues,

Microwave remote sensing of the atmosphere is critical to weather forecasting and environmental and climate monitoring. This special issue focuses on the progress and future vision of ground-, aircraft-, and satellite-based active and passive atmospheric microwave remote sensing. Progress relates to improvements to calibration, and product validation and quality monitoring, of current microwave observations. It also includes current pre-launch sensor hardware and calibration algorithm design, fabrication, and testing updates. Future vision is an imagined state of atmospheric microwave sensing out to 2050 that expands data volume, reduces data latency and improves integration of observations from all missions. It communicates possible new instrument technologies and platforms, SI-traceable microwave standards, calibration approaches, data sharing strategies, and methods to harmonize and integrate data in space and time. This MDPI Remote Sensing special issue call for papers is an opportunity to globally share your progress and future vision on this topic along with international colleagues from public and private institutions alike.





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Message from the Editorial Board

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