



## Spatial Resolution Enhancement of Microwave Radiometer Measurements: Methods and Applications

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### Message from the Guest Editors

The microwave radiometer (MWR) is a passive remote sensing instrument; its measurements are useful for a broad range of applications, including land and ice studies, snow-cover classification, measurements of soil and plant moisture content, assessment of atmospheric moisture over land, analysis land surface temperature, and polar ice mapping.

The aim of this Special Issue (SI) is to provide a unitary framework that includes the following:

- Leading-edge methods to downscale MWR measurements (statistically based methods, deterministic methods, neural network approaches, inversion of aperture-filtered measurements, data-fusion, multi-channel fusion, etc.)
- New earth observation (EO) applications based on the exploitation of resolution-enhanced MWR measurements obtained by exploiting either single-pass or multi-pass MWR measurements (soil moisture, sea ice maps, tropical cyclones, etc.)





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## Message from the Editor-in-Chief

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