

Special Issue

Spatial Resolution Enhancement of Microwave Radiometer Measurements: Methods and Applications

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.)

Guest Editors

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Message from the Editorial Board

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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