



SAR Tomography of Natural Media

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Message from the Guest Editors

The introduction of Synthetic Aperture Radar (SAR) Tomography marked a milestone in the development of SAR applications and technologies. Space agencies, in the first place, have increasingly been investing on SAR tomography in the last years, funding both airborne and ground-based campaigns for evaluating the potentials of SAR tomography in the context of spaceborne remote sensing.

Results by different research teams demonstrated SAR Tomography capable of characterizing the interior structure of natural media, such as forested areas, snow, ice sheets and glaciers, well beyond the limits of conventional SAR imagery and SAR interferometry.

These outstanding scientific achievements have been flanked by the introduction of new data processing methods, including enhanced algorithms for phase calibration, focusing from incomplete or irregular data, space/time multi-dimensional analysis, and full three-dimensional focusing methods.

Following this brief introduction, we would like to invite you to participate in a special issue of Remote Sensing focusing on SAR tomography of natural media. We encourage both experimental and theoretical contributions.





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Message from the Editor-in-Chief

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