Special Issue

Role of SAR/InSAR Techniques in Investigating Ground Deformation

Message from the Guest Editors

The study of ground deformation caused by natural and anthropogenic processes has always been a major focus of geodetic and geological research communities and is essential for understanding geodynamics and mitigating disaster. Synthetic Aperture Radar (SAR) and Interferometric Synthetic Aperture Radar (InSAR) techniques have emerged as powerful tools in this field, enabling the monitoring of the physical properties and processes of surface deformation with unprecedented accuracy at local and global scales with high resolution.

We invite you to submit articles on your recent research, including, but not limited to, the following topics:

Integrated monitoring systems for measuring ground deformation (land subsidence, uplift and seasonal movement);
SAR/InSAR applications for monitoring surface deformation associated with earthquakes, volcanic eruptions, glaciers and landslides;

The integration of SAR/InSAR data with other geophysical and geological datasets for understanding deformation assessment;

The development of new algorithms and methods for processing and interpreting SAR/InSAR data, including data fusion and machine learning techniques;

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Message from the Editor-in-Chief

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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