Special Issue

Monitoring Subtle Ground Deformation of Geohazards from Space

Message from the Guest Editors

Various geological disasters, including earthquakes, volcanoes, landslides and permafrost melting, often result in ground deformation of different magnitudes. The modern remote sensing and space geodetic technologies, especially Synthetic Aperture Radar (SAR) and Global Navigation Satellite System (GNSS), have been demonstrated to be powerful approaches to detect, monitor, and model geohazards. However, impacted by various artifacts, it is necessary to further advance data processing algorithms for accurate deformation measurements. This Special Issue is aimed at providing selected contributions on advances in InSAR/GNSS algorithm development and quantitative studies on subtle ground deformation linked to various geohazards. Themes in this Special Issue include, but are not limited to: InSAR/GNSS algorithm development and multi-source data integration; Earthquakes and tectonics; Volcanic processes; Landslides; Permafrost; Crustal loading effects; Applications with big data analysis techniques.

Guest Editors

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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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