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Remote Sensing Datasets and Techniques for Monitoring Geohazards and Anthropogenic Ground Deformation

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Deadline for manuscript submissions:
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Message from the Guest Editors

We invite contributions on a wide range of topics that describe conventional and novel remote sensing datasets (e.g., GNSS, gravity/GRACE, SAR and optical) and processing techniques (e.g., InSAR, offset tracking) for monitoring geohazards and anthropogenic ground deformation. Geohazards include but are not limited to earthquakes, volcanic eruptions, landslides, sinkholes and glacial surges, as well as deformation due to mining and fluids (oil/gas/groundwater/CO2) injection and extraction.

Specific topics of interest include but are not limited to

- GNSS, SAR and optical data for deformation monitoring;
- Gravity data from GRACE and its follow-on missions;
- Advanced processing techniques, including InSAR, offset tracking, 2D/3D deformation retrieval and time series;
- Analysis of random and systematic sources of error affecting deformation measurements, including unwrapping, orbital, atmospheric and varying penetration depth;
- Modelling of active deformation processes using multisensor data;
- Noisy data and the analysis of error propagations through modelling;
- Fusion of multiple datasets.

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Special Issue

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Editor-in-Chief

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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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