Special Issue

Intelligent Perception of Geo-Hazards from Earth Observations (Second Edition)

Message from the Guest Editor

Dear Colleague, Earth observation technologies, including satellites and sensors, and geospatial data analysis, play a crucial role in effective risk governance and early warning systems for complex hazards stemming from climate change. These technologies enable real-time monitoring of hazards, exposure, and impacts, as well as improved forecasting and modeling capabilities. For example, earth observation-based methods can monitor landslides, land subsidence, etc. Advances in machine learning and deep learning have also enabled the automatic recognition and detection of natural hazards like landslides and volcanic deformation from satellite imagery and InSAR data. Techniques like instance segmentation models, semantic segmentation networks, and crowdsourcing platforms can help identify the location and characteristics of active landslides and other geohazards. In this Special Issue, we solicit contributions using earth observation technologies and machine learning methods to monitor and investigate geohazards.

Guest Editor

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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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