Monitoring and Modelling of Geological Disasters Based on InSAR Observations

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Deadline for manuscript submissions:
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Message from the Guest Editors

The process of geological disasters often result in surface deformation at different scales. Synthetic aperture radar interferometry (InSAR), a powerful technique for deformation monitoring, provides an important means to monitor the geological disaster, to assist its simulation and mechanism interpretation and to support early warnings. Recent advances of InSAR further enlarge its capability for geological disaster monitoring and modeling. New advances will facilitate InSAR applications and offer new possibilities for geohazard investigation, monitoring, early warning and assessment.

This Special Issue aims at publishing studies covering different applications of InSAR observations from different aspects for monitoring and modelling of geological disasters. Multi-source data integration (e.g., InSAR, GNSS, and ground sensors), advanced InSAR approaches, geological disaster modeling and other relative issues, are all welcome. Articles may address, but are not limited, to the following topics:

- Multisource monitoring data integration;
- Geo-hazard detection;
- Disaster catalog compilation;
- Parameter inversion;
- Innovative InSAR applications;
- Advanced InSAR algorithms.

Special Issue

Editor-in-Chief

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Message from the Editor-in-Chief

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