



Application of Remote Sensing in Earthquake-Induced Geological Hazard and Building Damage

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Message from the Guest Editors

With the rapid advancements of remote sensing and geographic information systems, especially the widespread adoption of high-precision Earth observation techniques, sensors, and large-scale data acquisition, significant progress has been made in addressing scientific issues related to earthquake-induced geological disasters and building damage.

This Special Issue provides a forum for original research in the applications of remote sensing for earthquake-induced geological disasters and building damage. Moreover, innovative methods and original applications to earthquake-induced geohazard prediction, recognition, formation mechanism, susceptibility mapping, risk management, and building damage, would be highly appropriate for inclusion.

Topics include, but not limited to:

- The database of landslides related to extreme events or mountainous areas;
- Physics-based and data-driven landslide susceptibility mapping;
- The post-failure evolution and prediction of geohazards both temporally and spatially using remote sensing techniques;
- Damage detection based on UAV and satellite remote sensing;
- Damaged buildings based on visible, thermal infrared, SAR, and Lidar sources.





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Message from the Editor-in-Chief

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