Technological Advancements in Disaster Damage Assessment Using Earth Observation, Machine Learning, and Numerical Simulation

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Deadline for manuscript submissions:
closed (31 December 2023)

Message from the Guest Editors

Dear Colleagues,

This Special Issue is open to all contributions on recent advances and novel developments of methodologies and best-case study application of computer simulation, remote sensing, and machine to earthquakes, tsunamis, volcanic, and flooding events. We encourage submissions of both review and original research articles related, but not limited, to the following topics:

- Analysis of changes in urban environment;
- Damage recognition and mapping;
- Machine learning for disaster research;
- Detection and classification of building damage;
- Extraction and mapping of flooded areas;
- Time-series analysis of surface deformations;
- Open data and big data for multi-hazard analysis;
- Natural hazard modeling and prediction.

Special Issue

Editor-in-Chief

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Message from the Editor-in-Chief

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