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

Guest Editors:

Dr. Bruno Adriano

Dr. Erick Mas

Dr. Luis Angel Moya Huallpa

Dr. Hiroyuki Miura

Prof. Dr. Miguel Estrada

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.

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Special Issue

Editor-in-Chief

Dr. Prasad S. Thenkabail
Senior Scientist (ST), U. S.
Geological Survey (USGS), USGS
Western Geographic Science
Center (WGSC), 2255, N. Gemini
Dr., Flagstaff, AZ 86001, USA

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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