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Remote Sensing in Engineering Geology

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Deadline for manuscript
submissions:
closed (31 December 2020)

Message from the Guest Editors

Dear Colleagues,

Over the last two decades, the advent of new remote sensing sensors and techniques has led to step-change increases in the quality of data available in geosciences and geoengineering. Laser scanning/LiDAR, digital photogrammetry, hyperspectral, and InSAR represent the most used remote sensing techniques in engineering geology and geo-hazard studies. These techniques can be ground-based or, as a result of the high spatial resolution achievable with the newly available sensors, airplanes, drones, and satellite platforms, can be used in the interpretation of geotechnical projects on a large scale.

This Special Issue invites papers that advance the science of remote sensing in geological engineering problems and geo-hazard studies, including the analysis and monitoring of landslides and volcanos, the characterization of rock masses and geotechnical sites, ground deformation analyses, and mining applications. Special attention will also be given to the use of GIS and artificial intelligence- and machine learning-based methods for remotely sensed data processing and modeling.

Dr. Mirko Francioni
Dr. Thomas Oommen
Guest Editors



mdpi.com/si/28775

Special Issue



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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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