



## Remote Sensing for Rock Slope and Rockfall Analysis

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### Message from the Guest Editors

Rock slope instability is a major and widespread phenomenon that can represent significant hazards—especially in areas characterized by high and steep natural or engineered slopes. As a consequence, depending on magnitude, size and velocity, slope failure and rockfall events can cause severe damage, injuries, and casualties. As such, effective mitigation measures are essential to control their effect. Over the last two decades, the approach to rock slope investigation has changed substantially. The application of remote sensing techniques such as LiDAR, radar, and photogrammetry to rock slope analysis have allowed for the rapid and safe acquisition of a huge amount of high-quality information. Such techniques represent valuable tools in rock mechanics, but their use and the management of the generated data is often complex in several contexts.

This Special Issue will present novel contributions including original research, case studies, and new approaches in rock slope and rockfall analysis that take advantage of remote sensing techniques.





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## Message from the Editor-in-Chief

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