



3D Jointed Rock Mass Structural Analysis and Evaluation of Rockfall Potential

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Message from the Guest Editors

The main topic of the special issue is the application of new technologies i.e. UAV-SfM and LiDAR, on the characterization of rock mass and the evaluation of rockfall potential. Nowadays, a 3D model of a rock slope is frequently utilized for analyzing the rock mass in order to evaluate the rock fall hazard. More specifically, the development of a 3D model is considered as core data for defining the characteristics of the discontinuities sets and particularly, for extracting information regarding the orientation and spacing of discontinuities based either on semi-automated or manually procedures. Having assessed this information, a reliable evaluation of rock fall potential can be realized aiming to highlight likely to failure areas on a rock slope.

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