Special Issue

Structural Mechanics of Rocks and Rock Masses

Message from the Guest Editors

The definition of suitable geostructural and geomechanical models is fundamental in many engineering applications. The design of civil infrastructures built on or in rock masses (tunnels, mines, quarries, foundations, dams, rock slope instability mitigation, geothermal systems, etc.) strictly depends on the properties of the rock mass itself and on the geological setting of the site. The mechanical behavior and properties of the rock mass are controlled by textural features of the intact rock and by any types of mechanical weakness surfaces and zones (foliations, fractures, shear zones, etc.) with their geometrical interactions (i.e., fracture network). This Special Issue welcomes original research, reviews, and case studies concerning any aspects related to the geostructural and geomechanical properties of the rock masses and their influence on engineering rock mechanics as obtained by multiscale and multidisciplinary approaches (laboratory experiments, field investigations, remote sensing analysis, etc.).

Guest Editors

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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