Special Issue

Advanced Analysis, Early-Warning and Control Method for Rock Engineering

Message from the Guest Editors

Most rock engineering disasters (such as rock burst, water inrush, coal and gas outburst, large deformation, landslide, etc.) induced by external disturbance in mining engineering, transportation engineering, and civil engineering are closely related to rock instability and failure, which motivates people to understand rock behaviors and fundamental disaster-related mechanisms, and to develop a variety of methods for the analysis, early-warning detection, and prevention of potential disasters. In recent years, more sophisticated and practical advancements for rock engineering have been achieved to reproduce the disaster-related failure process, which provides new tools and technologies for developing early-warning, safe, feasible, and economical prevention strategies. This Special Issue welcomes research papers aiming to rock engineering and to share knowledge and advances related to this topic. Original research and review articles on theoretical analysis, numerical simulation, laboratory testing, and case studies are encouraged.

Guest Editors

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Deadline for manuscript submissions

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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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