

Special Issue

Advances in Failure Behavior of Rocks

Message from the Guest Editors

The design and construction of rock engineering, such as chambers, tunnels, mines and nuclear waste repositories, have exploded in scale and quantity. In the past century, geological disasters frequently occur during the construction and operation of these large-scale engineering projects. To reduce the risk of rock engineering under complex conditions, a comprehensive understanding of the failure mechanisms related to rock deformation, strength and failure should be obtained. New technologies related to constitutive models, numerical simulation methods and test methods will provide great help for the scientific design and safe operation of rock engineering. In addition, an in-depth understanding of rock failure mechanisms could accelerate the development of excavation machines, including tunnel-boring machines and roadheaders. This Special Issue “Advances in Failure Behavior of Rocks” aims to provide a specific platform for all rock failure research, and welcomes all rock-based scientific research in order to deepen the understanding of rock failure behaviors and the improvement of excavation machines.

Guest Editors

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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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