Special Issue

State of the Art of Rock Mechanics and Geotechnical Engineering

Message from the Guest Editors

Past damage in geotechnical engineering-related soil dynamics underlines the importance of accurate assessments of soil dynamic behaviors. The assessment required shared and interdisciplinary research involving geotechnical engineers, seismologists, geologists, and geophysicists. The state of the art of soil dynamics and geotechnical engineering evaluates these various areas of research focusing on those developed within the past few years. The new theoretical analyses, practical developments, and recommended strategies could enhance the development of geotechnical engineering. Potential topics include, but are not limited to, the following:

- Rock mechanics and geotechnical engineering experiments, testing methods and monitoring techniques;
- Numerical analysis and simulation techniques of rock mechanics and geotechnical engineering;
- Multi-field coupling effects and multiphase and multi-scale mechanics of geotechnical engineering; geotechnical engineering mechanical equipment and new construction techniques;
- Underground space, foundation, foundation pit, slope and dam engineering.

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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