Special Issue

Technical Challenges and Countermeasures for the Construction, Operation and Maintenance of Geotechnical and Underground Engineering for Rail Transit

Message from the Guest Editor

This Special Issue, entitled "Technical Challenges and Countermeasures for the Construction, Operation and Maintenance of Geotechnical and Underground Engineering for Rail Transit", aims to discuss cutting-edge scientific issues in transportation geotechnical and underground engineering. This Special Issue covers, but is not limited to, the following topics:

- Static and dynamic characteristics and theories of rock and soil mass;
- Interactions between rock and soil mass and underground structures;
- Green construction and maintenance technology for transportation infrastructure;
- Intelligent technology for geotechnical and underground engineering in transportation;
- Vehicle-subgrade (tunnel)–foundation interaction analysis;
- Traffic infrastructure service status monitoring, evaluation and maintenance;
- New theory and construction technology for geotechnical and underground engineering design;
- Tunnel and underground structure life cycle safety operation and maintenance guarantee technology;
- Disaster mechanism and safety treatment technology for geotechnical and underground engineering.

Guest Editor

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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.

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