Advanced Underground Space Technology

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Message from the Guest Editors

Dear Colleagues,

The recent development of underground space technology makes underground space a potential and feasible solution for climate change, the shortage of energy, the growing population, and the demands on urban space. Advances in material science, information technology, and computer science incorporating traditional geotechnical engineering have been applied extensively to sustainable and resilient underground space applications. The aim of this Special Issue entitled "Advanced Underground Space Technology" is to gather original fundamental and applied research related to the design, construction, and maintenance of underground space. Potential topics include but are not limited to the following:

- High-performance tunnel and precast underground structures;
- Information modeling of tunnelling and underground space;
- BIM, machine learning, and computer vision techniques in underground construction
- Construction materials of underground structures;
- Tunnel inspection techniques;
- Instrumentation and experimental methods for underground space.

Special Issue

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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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