Special Issue

The Application of Machine Learning in Geotechnical Engineering, 2nd Edition

Message from the Guest Editor

Natural geological bodies are the objects of geotechnical engineering; Unsafe geotechnical engineering can result in serious engineering disasters, which cannot be solved well using traditional methods. The development of artificial intelligence has supported better solutions to geotechnical engineering problems. The present Special Issue intends to present new applications of machine learning methods in the field of geotechnical engineering, from planning and design to construction. Topics include but are not limited to:

- Applications of machine learning methods for slope engineering, underground engineering, and foundation engineering;
- Applications of machine learning methods in geomechanics;
- Applications of artificial neural networks;
- Applications of deep learning methods;
- Applications of swarm intelligence;
- Applications of evolutionary algorithms;
- Applications of big data analysis;
- Applications of biological computation;
- Applications of nature-inspired computation;
- Applications of support vector machine, support vector regression, etc.;
- Intelligent forecasting of geotechnical engineering disasters.

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.

Editor-in-Chief

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