## Special Issue

## Soil Dynamics and Earthquake Engineering

## Message from the Guest Editor

Recent advancements in AI technology have led to the development of various estimation and prediction methods. In the field of seismology, notable examples include earthquake magnitude and location prediction. phase picking, and artificial wave generation using GANs. In geology, Al-based estimation models are being developed for layer formation, significantly enhancing the accuracy of subsurface predictions. However, regardless of how advanced AI technology becomes, progress will stagnate without a fundamental understanding of core principles. Therefore, it is crucial to emphasize basic theoretical foundations. In advanced geological and seismic engineering research, it is essential to focus not only on Al convergence but also on developing models that adhere to fundamental principles. This Special Issue invites authors to submit articles on advances in soil dynamics and earthquake engineering. Keywords

- geology
- seismic engineering
- earthquakes
- seismology
- geotechnical investigation
- geotechnical engineering

## **Guest Editor**

Prof. Dr. Jae-Kwang Ahn

Department of Fire & Emergency management, Kangwon National University, Samcheok-si 25949, Republic of Korea

## Deadline for manuscript submissions

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Applied Sciences Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 applsci@mdpi.com

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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**

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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