

Special Issue

Structural Health Monitoring of Tunnel and Underground Engineering

Message from the Guest Editor

Currently, fast urban development has led to numerous tunnel and underground engineering (TUE) projects that are used for public or commercial purposes, and ensuring their structural health holds great significance for social stability. However, the complex operating environment and exorbitant monitoring costs result in fresh challenges for the SHM of TUE. This Special Issue, which aims to systematically show the cutting-edge achievements associated with the SHM of TUE, is thus established. All original papers on this topic are welcome, and comprehensive review articles are especially encouraged. The topics of interest include, but are not limited to, the following:

- Case studies of the SHM of TUE;
- New sensing technologies, data-processing methods, and monitoring solutions for the SHM of TUE;
- New evaluation approaches and prediction models for determining the structural performance of TUE;
- The development of secure intelligent control platforms and techniques for TUE and its applications;
- Methods of resilience assessment for TUE under single and multiple disasters;
- The application of artificial intelligence and machine learning techniques in the SHM of TUE.

Guest Editor

Prof. Dr. Xuesong Cheng

Department of Civil Engineering, Tianjin University, Tianjin 300072, China

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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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About the Journal

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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