



New Advance of Acoustic Emission and Microseismic Monitoring Technologies in Civil Engineering

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Deadline for manuscript submissions:

closed (31 October 2021)

Message from the Guest Editors

Acoustic emission (AE) and microseismic (MS) monitoring technologies have been successfully applied to material performance analysis, material detection, building and rockmass structure stability, and early warning in civil engineering. They have played an important role in safety operation of road engineering, bridge and railway engineering, tunnel and underground, water conservancy, and mining engineering. Original research articles and review articles in health and stability monitoring of civil engineering are especially welcomed.

Potential topics include but are not limited to the following:

- Installation and arrangement of AE/MS sensors;
- Analysis of AE/MS signals;
- AE/MS source location;
- Novel algorithms for data analysis for AE and MS signals;
- Focal mechanism of fracture based on AE/MS signals;
- Health and stability monitoring of civil engineering;
- AE/MS activity characteristics in disaster development process of civil engineering;
- Building and rockmass stability analysis and warning based on AE/MS information;
- Application of AE/MS monitoring technology in new area of civil engineering.





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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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