



Acoustic Emission Technology and Its Applications

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Message from the Guest Editors

Acoustic emission testing has firmly established itself as a crucial component of non-destructive testing (NDT). It encompasses a diverse array of sophisticated techniques designed to not only observe natural acoustic emission processes but also to extract valuable practical insights. The domain of acoustic emission continues to expand as its applications are increasingly recognized and realized. This Special Issue aspires to examine the state-of-the-art acoustic emission technology and its applications while offering a glimpse into the exciting future directions that this field is poised to take.

This Special Issue aims to showcase the latest innovations and breakthroughs in the field. It will be dedicated to new perspectives on topics ranging from structural health monitoring in aerospace and civil engineering to non-destructive testing in manufacturing. Also highlighting advancements in sensor technology, signal processing, and data analytics, this Special Issue aims to bridge the gap between theory and real-world implementation.





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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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