

Special Issue

Vibration-Based Structural Health Monitoring

Message from the Guest Editor

As structures become more complex, the need for structural health monitoring is increasing in many applications. Vibration occurs from wide different sources including internal and external excitations and other sources in the surrounding environments. The use of vibration for structural integrity monitoring allows robust, efficient, and straightforward implementation. The utilization of vibration for inspection requires the contribution and understanding of multidisciplinary research fields. Due to various aspects of a vibrating system, the vibration-based approach requires investigations from many different fields including applied mechanics, solid mechanics, fluid mechanics, acoustics, signal processing, electronics, material science, etc.

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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