

Special Issue

Health Monitoring of Mechanical Systems

Message from the Guest Editors

Proper working of most mechanical systems is strongly dependent on the health condition of critical parts, such as bearings, gears, pulleys, joints etc. These components are usually designed according to standards and rules, by considering both static and dynamic loading conditions, to guarantee a predetermined lifespan. However, nowadays, the design stage is followed by a monitoring process during the service life of the component, especially in critical applications, to increase safety and reduce maintenance costs. Monitoring systems typically include the measurement and analysis of component vibrations, in either frequency or time domain. In fact, vibration analysis can provide information on possible anomalies and defects of the working component. This Special Issue calls for papers dealing with innovative strategies, algorithms and arrangements of vibration monitoring systems for critical components installed in mechanical systems from any field of applications.

Guest Editors

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Deadline for manuscript submissions

closed (10 August 2022)



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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

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