



Vibration Measurement and Diagnostics

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Message from the Guest Editors

Over the last few decades, scientific literature has proposed amazing analytical tools to process vibration data in different operating conditions, both stationary and non-stationary. But the development of algorithms is just a part of the diagnostics process; the choice of the proper measurement chain can also favor or hinder data analysis. Recently, accelerometers have begun being used together with other sensors like encoders, strain-gauges, and current probes in order to increase the information content available for diagnostics.

Data acquisition and post processing – together – depict a wider and clearer portrait of the diagnostics problem and its solution. This Special Issue focuses on sharing recent advances, developments, and applications on the condition monitoring of machineries with particular attention to all aspects of the process: from the design of the experimental setup to data processing, from the choice of sensors to component diagnostics. Different applications or working conditions could require different approaches to diagnostics to success. We invite you to share your experience and knowledge and to show the results of your work.





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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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