



Machine Diagnostics and Vibration Analysis

Guest Editors:

**Prof. Dr. Grover Zurita
Villarroel**

Laboratory of Industrial
Technology Innovation and
robotics, Universidad Privada
Boliviana, 3967 Casilla,
Cochabamba, Bolivia

Prof. Dr. Örjan Johansson

Department of Civil,
Environmental and Natural
Resources Engineering, Luleå
University of Technology, Luleå,
Sweden

Deadline for manuscript
submissions:

closed (20 December 2023)

Message from the Guest Editors

The main scope of this special issue, in machine diagnostics and vibration analysis, is to gather state-of-the-art of the research adding latest scientific advancements in the field. The presented papers are expected to make demonstrable original contributions to scientific world.

Some of the most promising approaches for the continuous advancement of machine diagnosis and vibration analysis are: Next-generation active vibration control systems, machinery diagnostics and prognostics using intelligent analysis, signal processing in machine health monitoring, vibration-based condition monitoring, modal and operational mode analysis, neural networks analysis, and machine learning.

Finally, vibration analysis for machine diagnosis based on machine learning has become one of the most efficient tool, with high accuracy, precision automated learning, robustness, and the capacity to handle complex data are some of the attributes.

https://www.mdpi.com/journal/applsci/special_issues/Machine_L





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Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

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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Applied Sciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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