

Special Issue

Vibrations and Acoustics for Condition Monitoring in Non-Stationary Operations

Message from the Guest Editor

To foster knowledge exchange and explore the latest advancements in condition monitoring techniques for non-stationary operations, we are announcing a Special Issue: Vibrations and acoustics for condition monitoring in non-stationary operations. We invite researchers and experts in this field to contribute their insights, ideas, and research findings to enhance our understanding and develop innovative solutions for monitoring non-stationary operations. Topics

- AI and deep learning-based methods for defect identification;
- The dynamic analysis of complex systems;
- Digital twin technology-assisted condition monitoring;
- Vibration and acoustic emission analysis for non-stationary machinery;
- AI for defect diagnosis under varying speeds and loads.

Guest Editor

Prof. Dr. Jiawei Xiang

College of Mechanical and Electrical Engineering, Wenzhou University, Wenzhou 325035, China

Deadline for manuscript submissions

closed (31 May 2025)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/180735

Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

[mdpi.com/journal/
sensors](https://mdpi.com/journal/sensors)





Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



[mdpi.com/journal/
sensors](https://mdpi.com/journal/sensors)



About the Journal

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 Bari, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)