

Special Issue

Signal Processing and Artificial Intelligence Technology for High-End Equipment Fault Diagnosis (2nd Edition)

Message from the Guest Editors

Following the success of the previous Special Issue “Signal Processing and Artificial Intelligence Technology for High-End Equipment Fault Diagnosis”

(https://www.mdpi.com/journal/machines/special_issues/65LUC20871), we are pleased to announce the next in the series, entitled “Signal Processing and Artificial Intelligence Technology for High-End Equipment Fault Diagnosis (2nd Edition)”. This Special Issue welcomes original and high-quality research articles and review articles that address a wide range of topics related to the fault diagnosis of high-end equipment. The submitted articles are expected to provide novel and newly developed ideas, algorithms, methods, and technologies that contribute to a better understanding of condition monitoring and fault diagnosis in high-end equipment.

Guest Editors

Dr. Bingyan Chen

Dr. Yao Cheng

Dr. Fan Zhang

Deadline for manuscript submissions

31 January 2026



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About the Journal

Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.

Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.

There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

Editor-in-Chief

Prof. Dr. Antonio J. Marques Cardoso

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Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.9 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).