# Special Issue

## Deep Learning-Based Machinery Fault Diagnostics

### Message from the Guest Editors

Papers are sought that address innovative solutions to the development and use of deep learning techniques for the monitoring and/or diagnosis of faults in machinery equipment for the purpose of advancing fault diagnosis science, and its applications in various machinery. The scope of these papers may encompass (1) theory, methodology, and practice of deep learning; (2) analysis, representation, display, and preservation of information obtained from a set of machinery to carry out fault diagnosis and operating condition monitoring; and (3) scientific and technical support for the establishment and maintenance of technical standards in the field of machinery fault diagnosis. In this Special Issue, original research articles and reviews are welcome. We look forward to receiving your contributions.

### Guest Editors

Dr. Hongtian Chen

Dr. Kai Zhong

Dr. Guangtao Ran

Prof. Dr. Chao Cheng

### Deadline for manuscript submissions

closed (28 May 2022)


**Machines**

**an Open Access Journal by MDPI**

**Impact Factor 2.5**
**CiteScore 4.7**

mdpi.com/si/93690

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

mdpi.com/journal/machines

# Machines

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 4.7

mdpi.com/journal/machines

# 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
CISE—Electromechatronic Systems Research Centre, University of Beira Interior, Calçada Fonte do Lameiro, P-6201-001 Covilhã, Portugal

## Author Benefits

**High Visibility:**

indexed within Scopus, SCIE (Web of Science), Inspec, and other databases.

**Journal Rank:**

JCR - Q2 (Engineering, Mechanical) / CiteScore - Q1 (Control and Optimization)

**Rapid Publication:**

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.6 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the second half of 2025).

MDPI