Special Issue

Reliability Verification and Diagnosis Methods for Mechanical Equipment

Message from the Guest Editors

Reliability Verification and Diagnosis Methods for Mechanical Equipment has greatly contributed to ensuring the dependability and safety of modern technologies. some notable developments are achieved in this field, such as formal verification, model-based testing, property-based testing, fault detection/diagnosis, continuous integration and testing, machine learning in testing. These reliability verification and diagnosis methods play a crucial role in ensuring the reliability and safety of systems in various domains, including automotive, manufacturing, aerospace, telecommunications, and critical infrastructure. The development and application of sensor technology is critical in this field. The purpose of this subject is to promote the reliability and dependability of reliable systems, and propose a variety of novel high-quality verification and test methods. We welcome both original research articles and review articles discussing the current state of the art.

Guest Editors

Dr. Haiyang Pan

Dr. Xin Li

Prof. Dr. Xinhua Liu

Deadline for manuscript submissions

31 December 2025

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/183514

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

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

MDPI

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
Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 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)