Special Issue

Advances in Data-Driven Engineering for Aerospace Non-destructive Evaluation and Structural Health Monitoring

Message from the Guest Editors

This Special Issue focuses on the transformative impact of data-driven engineering and machine learning in aerospace, particularly in non-destructive evaluation and structural health monitoring of complex aerospace compoents. This interdisciplinary approach aims to improve aerospace industry practices by leveraging big data, advanced computation, and ML algorithms to solve complex, multi-objective optimization problems in aircraft manufacturing and matainence. This Special Issue examines how ML algorithms, coupled with advanced sensor technologies, are revolutionizing non-destructive evaluation and structural health monitoring, leading to unprecedented levels of safety and efficiency. It underscores the transformative potential of ML in reshaping aerospace engineering, making it a critical area of study and innovation within the broader context of sensor technologies and their applications. For more information, please visit: mdpi.com/si/192785

Guest Editors

Dr. Qiuji Yi

Department of Computer and Information Sciences, Northumbria University, Newcastle upon Tyne NE1 8ST, UK

Prof. Dr. Wai Lok Woo

Department of Computer and Information Sciences, Northumbria University, Newcastle upon Tyne, UK

Deadline for manuscript submissions

closed (20 July 2024)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/192785

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)