



sensors



an Open Access Journal by MDPI

Fault Detection and Data Analysis for Structure and Infrastructure Engineering

Guest Editors:

Prof. Dr. Haitao Yu

College of Civil Engineering,
Tongji University, Shanghai
200092, China

Prof. Dr. Yiming Zhang

School of Civil and
Transportation Engineering,
Hebei University of Technology,
Tianjin, China

Dr. Qing Ai

School of Naval Architecture,
Ocean and Civil Engineering,
Shanghai Jiao Tong University,
Shanghai 200240, China

Deadline for manuscript
submissions:

closed (31 January 2023)

Message from the Guest Editors

Dear Colleagues,

During the lifetime of structures and infrastructure engineering, faults inevitably occur, which are a great threat to their safety and durability. At present, advanced fault-detecting devices and sensing technologies are booming with the rapid development of emerging technologies, such as smart materials, intelligent construction, Big Data, artificial intelligence, and the Internet of Things. This provides access to high-quality data for analyzing the mechanism of faults occurring and, thus, their influence on the service performance of structure and infrastructure engineering. It is acknowledged that the fusion of detecting technologies and data analysis will be efficient tools for solving many scientific problems in structure and infrastructure engineering which were either unclear or unsolvable before.

This issue will include papers related to fault detection and data analysis for structure and infrastructure engineering. Original contributions that address both theoretical and experimental issues are welcome, and so are review articles on specific topics within the scope of this issue.



mdpi.com/si/87734

Special Issue



sensors



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

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

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.

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)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)