

Special Issue

Detection Methods and Numerical Analysis of Faults in Structural and Geotechnical Engineering

Message from the Guest Editors

From crystal dislocation to rock joints, faults can be found on different scales in different structures. From an engineering point of view, faults grow and evolve, exerting great influences on the stability and durability of structures. From the mathematical point of view, faults commonly refer to discontinuities, bringing great deviations from analytical solutions based on partial differential equations. With the development of smart sensors, non-destructive testing, machine learning algorithms, high-performance computation technology and powerful computing methods, novel detection methods have emerged that can find and trace the geometric and historic information of faults to evaluate their influence on structures and predict their evolution. We are particularly eager to publish manuscripts with validations of results via indoor experiments or onsite testing/monitoring. For detailed information, please visit [here](#).

Guest Editors

Prof. Dr. Timon Rabczuk

Prof. Dr. Yiming Zhang

Dr. Chun Feng

Dr. Zizheng Sun

Deadline for manuscript submissions

closed (31 July 2024)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/178090

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

[mdpi.com/journal/
sensors](https://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](https://mdpi.com/journal/sensors)



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)