



From an

an Open Access Journal by MDPI

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

Guest Editors: Message from the Guest Editors Prof. Dr. Timon Rabczuk Dear Colleagues, From crystal dislocation to rock joints, faults can be found Prof. Dr. Yiming Zhang on different scales in different structures. **Dr. Chun Feng** engineering point of view, faults grow and evolve, exerting great influences on the stability and durability of **Dr. Zizheng Sun** structures. From the mathematical point of view, faults commonly refer to discontinuities, bringing great deviations from analytical solutions based on partial Deadline for manuscript differential equations. With the development of smart submissions. sensors, non-destructive testing, machine learning 31 July 2024 algorithms, high-performance computation technology and powerful computing methods, novel detection

testing/monitoring.

Dr. Chun Feng Dr. Zizheng Sun Guest Editors

Prof. Dr. Timon Rabczuk Prof. Dr. Yiming Zhang

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

Specialsue

For detailed information, please visit here.



mdpi.com/si/178090





an Open Access Journal by MDPI

Editor-in-Chief

Message from the 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

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 & Instrumentation*) / CiteScore - Q1 (*Instrumentation*)

Contact Us

Sensors Editorial Office MDPI, St. Alban-Anlage 66 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/sensors sensors@mdpi.com X@Sensors_MDPI