

Special Issue

Advanced Sensing Technologies in Geotechnical Engineering

Message from the Guest Editors

Predicting the behaviour of soil and rock during and after construction works or geo-hazards, such as earthquakes, is very complex and burdened with numerous uncertainties. Significant development in this field is evident in last decades with the monitoring methods taking advantages of modern sensor types such as piezoelectric sensors, optic fibers etc. This Special Issue welcomes manuscripts dealing with various aspects of the innovative in-situ and remote sensing technologies in field of geotechnical engineering, geology, hydrogeology, environmental engineering, and geodesy, which enhance the knowledge and understanding of the soil and rock behaviour during and after construction works or geohazards. The papers focusing on theoretical and experimental aspects of terrestrial and aerial sensing, including instrumentation, data acquisition, data analysis, processing and interpretation are highly encouraged, especially those involving field case study implementations and validations.

- geotechnical monitoring
- in-situ monitoring of soil and rock
- remote sensing of soil and rock
- sensor-based instrumentation
- monitoring data analysis
- signal processing

Guest Editors

Prof. Dr. Meho-Saša Kovačević

Faculty of Civil Engineering, University of Zagreb, 10000 Zagreb, Croatia

Dr. Mario Bačić

Faculty of Civil Engineering, University of Zagreb, 10000 Zagreb, Croatia

Deadline for manuscript submissions

closed (30 April 2022)



Sensors

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 9.4
Indexed in PubMed



mdpi.com/si/85036

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 4.0
CiteScore 9.4
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

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