



sensors



an Open Access Journal by MDPI

Sensors for Construction Automation and Management

Guest Editors:

Dr. Reza Maalek

Prof. Dr. Derek Lichti

Dr. Shahrokh Maalek

Deadline for manuscript
submissions:

closed (31 January 2023)

Message from the Guest Editors

The recent and on-going advancements in sensors and remote sensing technologies have provided immense opportunities to improve, evaluate, and automate construction processes, a significant advantage over traditional manual practices. New and innovative approaches that foster the application of sensor technology on construction projects are, hence, eminently desirable for the growth and development of the construction industry.

The “Sensors for Construction Automation and Management” Special Issue addresses a wide range of research topics focused on the application of sensors to automate construction processes. Relevant topics include, but are not limited to:

- Laser scanners and optical imagery for construction automation;
- Remote sensor-based health monitoring of infrastructure projects;
- Sensor-based progress monitoring, modular fabrication verification, and on-site quality control;
- Artificial intelligence, and machine learning for the analysis of field sensor data;
- Multi-sensor systems in construction, including virtual and augmented reality (VR/AR);
- Radio frequency-based real-time locating systems (RTLS) in construction.



mdpi.com/si/27938

Special Issue



sensors



an Open Access Journal by MDPI

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

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 (*Chemistry, Analytical*) / 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](#)