



sensors



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Sensors for Construction Automation and Management

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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.



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Special Issue



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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.

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