

Special Issue

Sensors and Geomatics for Structural Health Monitoring of Buildings

Message from the Guest Editors

The Structural Health Monitoring of Buildings and, in general, of artifacts, has had an exponential growth in recent years. Nowadays we have the possibility of continuous monitoring of the static and dynamic behavior of structures. This is thanks to the development of all the sectors involved, from point and area sensors, to terrestrial, aerial and satellite survey techniques, to wireless and real-time data transmission systems, to modeling techniques and new materials. This special issue aims to acquire contributions to better understand the state of the art on the matter, with a particular eye on geomatic techniques and new sensors for the acquisition of geometric and physical data, as well as data transmission and sharing techniques and their processing and use.

- Geomatics;
- GNSS;
- Sensor technology and wireless systems;
- IoT-based sensors;
- Wireless Sensor Networks;
- Sensor-fusion approaches;
- Drone-based monitoring;
- BIM and HBIM;
- Digital-Twin for Design;

Guest Editors

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Deadline for manuscript submissions

closed (3 November 2023)



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