



Smart Sensing in Building and Construction

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Deadline for manuscript
submissions:

31 October 2021

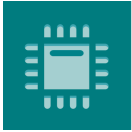
Message from the Guest Editors

This Special Issue will collect state-of-the-art research findings on the latest developments and challenges of smart sensing in the building and construction field.

Potential topics include but are not limited to the following:

- Reviews or surveys on state-of-the-art of sensing-related topics in the building and construction field
- Methods and tools for sensing data collection and processing, including internet of things, laser scanning, photogrammetry, thermal imaging, virtual sensing, crowdsourcing, multi-source data fusion, and design and development of new sensors
- Technologies and approaches to extract complex patterns or knowledge from sensing data, i.e., computer vision, machine learning, and deep learning
- Integration of sensing data mining and model- and knowledge-driven approaches to understand the complex and dynamic nature of buildings and construction projects
- Real-world applications of remote sensing data mining, i.e., building performance monitoring, structural health monitoring, damage assessment, disaster monitoring, as-built model reconstruction, geometric quality inspection, construction process monitoring, etc.





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CiteScore (2019 Scopus data): **5.0**; ranked 17/129 (Q1) in 'Physics and Astronomy: Instrumentation' and 147/670 (Q1) in 'Electrical and Electronic Engineering' and 70/300 (Q1) in 'Computer Science: Information Systems'.

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