

Low-Cost Accurate Solutions for Monitoring in Buildings

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Message from the Guest Editors

Dear Colleagues,

Commercial monitoring systems allow very accurate measurements. However, these systems are also traditionally associated with high costs, which might restrict their use in traditional buildings. Nowadays, low-cost solutions (based on sensors or computer vision techniques) stand as an efficient alternative to commercial monitoring systems. In light of the above information, the aim of this Special Issue is to increase knowledge of low-cost solutions for the monitoring in buildings. Applications to the structural, thermal, and environmental performance of buildings will be considered,[...]

For further reading, please follow the link to the Special Issue Website at:

https://www.mdpi.com/journal/buildings/special_issues/Low-Cost_Accurate_Solutions_for_Monitoring_in_Buildings

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Message from the Editor-in-Chief

Current urban environments are home to multi-modal transit systems, extensive energy grids, a building stock, and integrated services. Sprawling neighborhoods are composed of buildings that accommodate living and working quarters. However, it is expected that the cities and communities of the future will face complex and enormous challenges, including maintenance, interconnectivity, resilience, energy efficiency, and sustainability issues, to name but a few. A smart city uses advanced technologies and a digital infrastructure to improve the outcomes in every aspect of a city's operations. A smart building optimizes the experience of occupants, staff, and management by using a modern and connected environment. Innovations in technology that can bring dramatic improvements to design, planning, and policy are critical in developing the cities and buildings of the future.

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