



Intelligent Sustainable Buildings and Information Technologies

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Message from the Guest Editors

Dear Colleagues,

This Special Issue will focus on buildings that integrate new technologies to improve their sustainability conditions, whether they are new or existing buildings. New information technologies and the use of specialised work equipment (multi-agent systems, Internet of Things (IoT), intelligent sensors, building information modelling (BIM)) allow optimising both the construction processes and the costs associated with the building's useful life. Monitoring systems make it possible to determine the real energy behaviour of the building, which, after processing and analysing the data, can be used to establish management guidelines for achieving greater energy efficiency.

The use of all these tools turns buildings into multi-agent systems that can be controlled and optimised from their conception and throughout their complete life cycle, improving their energy consumption, impact, and even habitability by controlling temperatures and ventilation (air quality), among others. This Special Issue aims to present a collection of articles that advance sustainability as a fundamental factor for construction.

We look forward to receiving your contributions.





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Message from the Editor-in-Chief

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