



Intelligent Sustainable Buildings and Information Technologies

Guest Editors:

Dr. Carlos Rizo-Maestre

Department of Architectural
Constructions, University of
Alicante, 03690 Alicante, Spain

**Prof. Dr. Mireia Luisa
Sempere-Tortosa**

Department of Computer Science
and Artificial Intelligence,
University of Alicante, 03690
Alicante, Spain

**Dr. María Dolores Andújar-
Montoya**

Building Sciences and Urbanism
Department, University of
Alicante, 03690 Alicante, Spain

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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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Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and
Applied Science, University of
Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

Message from the Editor-in-Chief

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Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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