

# Special Issue

## Metrology for Living Environment

### Message from the Guest Editors

This [Special Issue](#) welcomes papers presenting innovative metrology techniques for designing, constructing, and operating an efficient, safe, comfortable, and healthy built environment, including active and assisted living (AAL). Innovative solutions can be based on the IoT paradigm, BIM, sensors and sensor networks, cutting-edge signal and image processing techniques, structural health monitoring (SHM) techniques, data analytics, artificial intelligence, and interoperability standards. This [Special Issue](#) has been organized in collaboration with the IEEE International Workshop on Metrology for Living Environments, which covers all aspects of the living environment, focusing on design and life cycles, energy efficiency, SHM, comfort assessment, indoor pollution, chemical and physical parameter monitoring, and human health monitoring. For scholars interested to submit papers to the [Special Issue](#), please click "[Submit to Special Issue](#)" or contact Astoria Yao: [astoria.yao@mdpi.com](mailto:astoria.yao@mdpi.com).

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### Guest Editors

Dr. Stefano Laureti

Dr. Sara Casaccia

Dr. Michal Švantner

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### Deadline for manuscript submissions

closed (30 June 2023)



## Buildings

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## About the Journal

### 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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### Editor-in-Chief

Prof. Dr. David Arditi

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### Author Benefits

#### High Visibility:

indexed within SCIE (Web of Science), Scopus, Ei Compendex, Inspec, and other databases.

#### Journal Rank:

JCR - Q2 (Construction and Building Technology) /  
CiteScore - Q1 (Architecture)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.9 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).