

## Special Issue

# Smart and Connected Buildings and Communities Founded on the Internet of Things

### Message from the Guest Editor

This Special Issue, “Smart and Connected Buildings and Communities Founded on the IoT”, invites contributions on innovative approaches in construction and the built-environment domains related—but not limited—to the following: (i) emerging systems from human–smart-device interaction with new functions and capabilities; (ii) successful case studies on technology implementation (e.g., scalability, interoperability, measurability); (iii) enhanced value in technology infrastructure—the aggregation across technology layers (e.g., from sensing to connectivity to analytic platforms); (iv) emerging applications of collected, analyzed, and shared longitudinal data; (v) innovative concept-driven methodologies (e.g., new systems science and engineering approach of functionalities, such as prediction and measurement); and (vii) frameworks on data management (e.g., trustworthiness strategies in reliability, resilience, safety, security, and privacy).

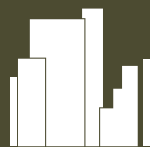
### Guest Editor

Dr. Ivan Mutis

Construction Engineering and Management Program, Department of Civil, Architectural, and Environmental Engineering, Illinois Institute of Technology, Chicago, IL 60616, USA

### Deadline for manuscript submissions

closed (20 January 2024)



## Buildings

an Open Access Journal  
by MDPI

Impact Factor 3.1  
CiteScore 3.4



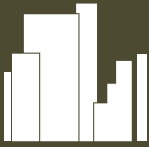
[mdpi.com/si/141199](https://mdpi.com/si/141199)

*Buildings*

MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[buildings@mdpi.com](mailto:buildings@mdpi.com)

[mdpi.com/journal/  
buildings](https://mdpi.com/journal/buildings)





# Buildings

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.1  
CiteScore 3.4



[mdpi.com/journal/  
buildings](https://mdpi.com/journal/buildings)



## 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.

---

### Editor-in-Chief

Prof. Dr. David Arditi

Construction Engineering and Management Program, Department of Civil, Architectural, and Environmental Engineering, Illinois Institute of Technology, 3201 South Dearborn Street, Chicago, IL 60616, USA

---

### Author Benefits

#### High Visibility:

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

#### Journal Rank:

JCR - Q2 (Engineering, Civil) / CiteScore - Q1 (Architecture)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.2 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the first half of 2024).