

Application of Computer Technology in Buildings

Guest Editor:

Dr. Svetlana J. Olbina

Department of Construction
Management, College of Health
and Human Science, Colorado
State University, Fort Collins, CO
80523, USA

Deadline for manuscript
submissions:

closed (31 August 2023)

Message from the Guest Editor

Recent advancements in computer technologies have led to their numerous applications in the building sector. Computer technologies incorporate various processes, software, and hardware that could be used in different phases of a building life cycle. The overall goal of using these technologies is to improve the quality and efficiency of design, construction, operation, maintenance, and deconstruction of buildings. There is a need to identify the optimal uses of computer technologies in different building project processes and phases, determine the benefits of these applications to building projects as well as to the various stakeholders involved, and provide solutions that address challenges in the application of computer technologies.

For further reading, please follow the link to the Special Issue Website at:
[https://www.mdpi.com/journal/buildings/special_](https://www.mdpi.com/journal/buildings/special_issues/Computer_Buildings)
[issues/Computer_Buildings](https://www.mdpi.com/journal/buildings/special_issues/Computer_Buildings)



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

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

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

Journal Rank: JCR - Q2 (*Engineering, Civil*) / CiteScore - Q1 (*Architecture*)

Contact Us

Buildings Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/buildings
buildings@mdpi.com
[X@Buildings_MDPI](https://twitter.com/Buildings_MDPI)