



Rethinking Building Maintenance

Guest Editors:

Dr. Ana Silva

Dr. Michael A. Lacasse

Dr. Andrés Prieto

Dr. Carles Serrat Piè

Deadline for manuscript
submissions:

closed (31 August 2023)

Message from the Guest Editors

This Special Issue *Rethinking Building Maintenance* will provide an overview of existing knowledge on new approaches for building maintenance. Original research, theoretical and experimental work, case studies, and comprehensive review papers are invited for possible publication. Relevant topics to this Special Issue include but are not limited to the following subjects:

- New approaches for building maintenance;
- Imperfect maintenance policies;
- Condition-based maintenance strategies;
- Opportunistic maintenance;
- Digital methodologies applied to heritage building maintenance;
- Building maintenance under climate change.





an Open Access Journal by MDPI

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
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/buildings
buildings@mdpi.com
@Buildings_MDPI