



Emerging Technologies and Approaches for Construction Safety Management

Guest Editors:

Dr. Akeem Pedro

Construction Technology
Innovation Laboratory, School of
Architecture and Building
Science, Chung-Ang University,
Seoul 06974, Republic of Korea

Dr. Mehrtash Soltani

Construction Technology
Innovation Laboratory, School of
Architecture and Building
Science, Chung-Ang University,
Seoul 06974, Republic of Korea

Dr. Hai Chien Pham

Applied Computational Civil and
Structural Engineering Research
Group, Faculty of Civil
Engineering, Ton Duc Thang
University, Ho Chi Minh City
700000, Vietnam

Deadline for manuscript
submissions:

closed (30 November 2023)



[mdpi.com/si/151640](https://www.mdpi.com/si/151640)

Message from the Guest Editors

For decades, improving health, wellbeing, and safety in construction has proved to be a major challenge.....A variety of emerging technologies may offer promising solutions to the long-standing safety challenges encountered in construction. In recent years, construction practitioners and academics have begun to leverage innovative technologies towards improved safety outcomes in the construction sector. However, many questions and challenges regarding technologically enhanced safety management approaches remain unaddressed. Many emerging technological tools and solutions for construction safety are still at a low level of maturity, and there is a lack of documented work on how they can be implemented in practice.

This Special Issue will engage not only technological perspectives, but also managerial, cultural, and organizational aspects in managing safety in construction. Authors are invited to submit any novel work focused on improving construction safety and health. The listed keywords suggest just a few of the many possibilities.

For further reading, please follow the link to the Special Issue Website at:

https://www.mdpi.com/journal/buildings/special_issues/

P5LSNKL73F



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, Grosspeteranlage 5
4052 Basel, Switzerland

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

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