



Advancing Occupational Health and Safety in Construction: Innovations, Education, and Training for a Safer Future

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Message from the Guest Editors

This Special Issue aims to provide a collection of articles that not only showcase innovative strategies and best practices but also highlight educational and training initiatives with the potential to advance occupational health and safety in the construction industry.

Possible topics of interest include, but are not limited to:

- BIM and digital twins for construction safety management;
- Artificial intelligence and machine learning for accident prediction;
- Integration of wearable technologies for enhancing worker safety;
- Application of virtual and augmented reality in safety training and education;
- Innovative educational programmes to promote safety awareness;
- New technologies to assess and improve safety culture in construction.





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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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