Special Issue

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

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.

Guest Editors

Dr. Carlos Osorio-Sandoval

Department of Civil Engineering, The University of Nottingham, Nottingham NG7 2RD, UK

Dr. William Collinge

Mechanical Aerospace Civil Engineering, The University of Manchester, Manchester M13 9PL, UK

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Buildings
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
buildings@mdpi.com

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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

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