

Special Issue

Selected Papers from the 45th Australasian Universities Building Education Association (AUBEA 2022)

Message from the Guest Editors

The 45th Australasian Universities Building Education Association (AUBEA) conference was hosted by Western Sydney University, Kingswood Campus, Sydney, Australia by the School of Engineering, Design, and Built Environment in collaboration with the Centre for Smart Modern Construction, Western Sydney University, 23rd - 25th November 2022. The conference presented the latest research with the theme of “Global Challenges in a Disrupted World: Smart, Sustainable and Resilient Approaches in the Built Environment.” AUBEA 2022 brought together researchers, educators, students, and industry practitioners from Australia and other regions to share knowledge, collaborate, reflect, and learn about current issues and participate in shaping the future of the construction and built environment sectors. The key research areas discussed include:

- construction project management;
- the digitalisation of construction;
- industrialisation;
- sustainability;
- resilience;
- health and safety;
- education in the built environment.

Guest Editors

Prof. Dr. Srinath Perera

Dr. Ali Al-Ashwal

Dr. Wei Zhou

Dr. Md Kamrul Hassan

Dr. Sepani Senaratne

Dr. Robert Osei-Kyei

et al.

Deadline for manuscript submissions

closed (30 April 2023)



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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

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.1 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2025).