

Special Issue

Selected Papers from AUBEA 2025: Building Sustainable, Smart, and Resilient Communities: Planning, Design, Construction, and Education

Message from the Guest Editors

The 48th Australasian Universities Building Education Association (AUBEA 2025) International Conference, on the theme "Building Sustainable, Smart, and Resilient Communities: Planning, Design, Construction, and Education", will be hosted by the University of Canberra, Canberra, Australia, organised by School of Design and the Built Environment, the Faculty of Arts and Design. It will be held from the 26 to the 28 November 2025. The conference aims to foster knowledge sharing, reflect on best practices, promote collaboration, and explore solutions to current challenges, while shaping the future of the construction and built environment sectors.

The research proceedings are organised around seven main themes: advanced construction project management, hazard-resilient built environment, innovative teaching and learning, low-carbon planning and design, smart built environment, sustainable built environment, and the CIB Doctoral School.

Authors of selected papers of the AUBEA 2025 will be invited to submit extended papers for inclusion in this Special Issue, which will undergo a rigorous peer review process for further selection and publication.

Guest Editors

Dr. Xiancun Hu

Dr. Hitomi Nakanishi

Dr. Mike Louw

Deadline for manuscript submissions

31 May 2026



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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 14.9 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).