

Special Issue

Selected Papers from AUBEA 2024: Buildings for a Sustainable Future— Innovations, Challenges & Collaboration

Message from the Guest Editors

The 47th Australasian Universities Building Education Association (AUBEA) Conference, themed "Building for a Sustainable Future: Innovations, Challenges and Collaboration", was hosted by Victoria University in Melbourne, Australia. Held from November 24th to 26th, 2024, within the Built Environment program of the Institute of Sustainable Industries and Liveable Cities (ISILC), the conference brought together researchers, educators, students, and industry practitioners from both Australia and abroad. It focused on sharing knowledge, collaborating, and reflecting on current issues, aiming to shape the future of the construction and built environment sectors. The research proceedings were organized around five main themes: sustainable building practices, resilient infrastructure and disaster management, innovative teaching and learning approaches in building education, building regulations versus innovations, and building industry workforce development. Authors previously selected from AUBEA2024 were 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. Zora Vrcelj

Dr. Malindu Sandanayake

Dr. Yanni Bouras

Deadline for manuscript submissions

31 January 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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