

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

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Prof. Dr. Srinath Perera

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Dr. Brendan Kirkland

Dr. Yingbin Feng

Deadline for manuscript
submissions:

closed (30 April 2023)

Message from the Guest Editors

Dear Colleagues,

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.



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

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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Buildings Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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