



## **Selected Papers from the 2nd International Conference on Construction Engineering and Management (ICCEM 2024)**

Guest Editors:

**Prof. Dr. Vivian WY Tam**

**Dr. Payam  
Rahnamayiezekavat**

**Prof. Dr. Saha Swapan**

**Dr. Yingbin Feng**

Deadline for manuscript  
submissions:

**31 March 2025**

### **Message from the Guest Editors**

Dear Colleagues,

The 2nd International Conference on Construction Project Management and Construction Engineering, Sydney, 2024 (iCCPMCE-2024) will bring international and national experts in construction management and construction engineering to Sydney in order to present and share their latest research and practices. The conference is structured around the following four themes:

- Organisation and management of construction;
- Sustainability and resilience in construction;
- Digitalisation and industrialisation;
- Construction engineering and materials.

The highly ranked submissions, including the winner of Best Paper in each theme, will be invited to publish their revised manuscript in this Special Issue.

Prof. Dr. Vivian WY Tam  
Dr. Payam Rahnamayiezekavat  
Prof. Dr. Saha Swapan  
Dr. Yingbin Feng  
*Guest Editors*





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## 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, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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