

Tradition and Innovation in Construction Project Management

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Message from the Guest Editors

Construction project management is a complex discipline requiring the addressal of various important concerns, including cost, quality and schedule requirements, social impacts, environmental impacts and wider stakeholder interests. In recent years, the management of construction projects has faced a number of challenges and opportunities, due to the adoption of new technologies, new materials, evolved methods and processes, complex contractual arrangements and other systems. Consequently, construction project management is poised to leverage the benefits of digital transformation as part of the wider Industry 4.0 paradigm and also adopt new technologies to enable sustainable development.

Therefore, it is necessary to examine both tradition and innovation in construction project management so that the latest research studies and practices can be identified and harnessed—this is essential if we are to benefit from the potential of digital technologies and continue on the path towards sustainability. The aim of this Special Issue is to provide a platform to showcase the latest international research and development in this important topic.



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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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