

Advances in Project Management in Construction

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Message from the Guest Editors

Dear Colleagues,

Construction management faces new challenges given the popularity of mass and super construction projects, innovative project delivery methods and financing, emerging technologies in design and construction, and transnational cooperation initiatives. Project management has become more complex, and it requires advanced models and technology to handle the organizational diversification, digitalization, and internationalization of investment. It is urgent to propose solutions through research and practice, to improve the traditional project management theory, and to accommodate the complex project management.

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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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