



Technology and Management Applied in Construction Engineering Projects II

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Message from the Guest Editors

The utilization of technologies is crucial in the efficient management of Construction Engineering Projects, such as Digital Twins and Construction 4.0 and 5.0. Meanwhile, novel means of construction are becoming more affordable and feasible, being based on robotization and 3D printing. Data interoperability and process integration are essential in the provision of accurate information for decision-making. Research in the field of innovation for construction management should target solutions for all phases, from concept design, manufacturing/construction, and use to deconstruction. The scope of this Special Issue therefore includes, but is not limited to, the following topics: The use of Digital Twins in buildings, infrastructure or industrial projects; Three-dimensional printing: concepts and use cases; Blockchain for Smart Contracts; Lean construction using sensing technologies; AI-based management decision-making; Electronic Performance Monitoring; Circular Economy and Project Management; Data-driven projects, and the implementation of Common Data Environment, Digital Building Logbook, Digital Product Passport; Human–Data Interaction.





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Message from the Editor-in-Chief

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