

Special Issue

Technology and Management Applied in Construction Engineering Projects II

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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Deadline for manuscript submissions

20 September 2025



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/207128

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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