



buildings

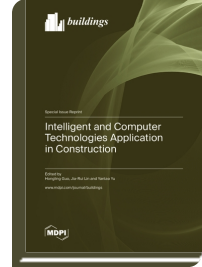


Special Issue Reprint

Intelligent and Computer Technologies Application in Construction

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The construction industry has long been a driving force behind global economic growth; however, despite its boom, it still faces a host of challenges, including lagging productivity, labor, and environmental sustainability. It is therefore crucial for the industry to undergo industrial transformation and upgrade to ensure its continued and healthy development. Intelligent construction provides a promising solution to these challenges. Over the past two decades, intelligent and computer technologies have revolutionized the construction industry, improving sustainability, safety, and productivity. These technologies have become indispensable tools for construction professionals, enabling them to collaborate, communicate, and perform tasks more efficiently. As these technologies continue to advance, there is still much scope for researchers and industry practitioners to promote digital and intelligent transformation in this field. This Special Issue aims to provide a platform to explore state-of-the-art knowledge, practical implementations, and cutting-edge innovations in the area of intelligent and computer technologies and their applications in construction. Intelligent construction is a complex topic that encompasses the entire project life cycle. The papers in this Special Issue provide excellent examples of the development and application of Building Information Modeling (BIM), blockchain, and deep learning to improve safety, quality, and sustainability in construction projects.



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