



## Data Analytics and Artificial Intelligence for Sustainable Construction Engineering and Built Environment

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### Message from the Guest Editor

Engineering and management of construction projects and the built environment are experiencing a data and technology revolution. Considering the aging infrastructure and rapid urbanization trends, the need to promote sustainable practices in design, construction, and operation is more compelling than ever. The social, economic, and environmental impacts of construction projects and the future built environment around the world have multiple technological and social dimensions. A massive amount of construction project and building performance data are produced daily that can be leveraged to enhance sustainability efforts. State-of-the-art in artificial intelligence (AI), enabled by automation, robotics, the Internet of Things (IoT), and building information modelling (BIM), has created an unprecedented opportunity to optimize construction processes and performance of the built environment entities.





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