



Sustainable Infrastructure Engineering: Intelligent Construction, Monitoring and Maintenance of Civil Infrastructure

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Message from the Guest Editors

Dear Colleagues,

Advancements in digital technologies can aid the infrastructure engineering industry in its move towards more sustainable construction and operation. Cost and risk reduction, safety and reliability improvement, failure prediction, minimising environmental impact, optimising maintenance management, and extending the remaining lifetime of civil infrastructure are all potential advantages of using intelligent technologies within the infrastructure industry.

This Special Issue invites research work with a focus on existing challenges in the adaptation and integration of these technologies in the industry. Experiences relating to the development of such technologies and their application to various infrastructure (bridges, tunnels, dams, energy infrastructure, pipelines, coastal and marine infrastructure, etc.) are of interest. Contributions and case studies on the latest theoretical and practical advances in the intelligent planning, design, construction, monitoring, and maintenance of civil infrastructure are welcomed for publication in this Special Issue.

We look forward to receiving your contributions.

Prof. Dr. Amir Alani

Dr. Mojtaba Mahmoodian

Guest Editors





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Message from the Editor-in-Chief

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