

Special Issue

Advanced Developments and Applications of Digital Twins in Construction Industry

Message from the Guest Editors

This Special Issue focuses on receiving novel development-based digital twin studies to develop a theoretical and practical base that can be used as a base for researchers to extend presented digital twin solutions in this Special Issue to a higher technology readiness (TR) level. Moreover, industry practitioners can directly adopt solutions in their projects and publish the outcome as case study research. This Special Issue covers a wide range of topics including, but not limited to, the following:

- From BIM to digital twins: enablers and challenges;
- Applications of digital twins in the construction stage including progress monitoring, carbon optimization, and automated safety warnings;
- Integration of digital twins and artificial intelligence (AI);
- Digital twins and circular economy;
- Blockchain of Things (BCoT);
- Applications and developments of the Internet of Things (IoT) in the construction industry;
- Digital twins for net zero.

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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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