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Advanced Developments and Applications of Digital Twins in Construction Industry

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Deadline for manuscript submissions:

closed (30 September 2023)

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:

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









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Message from the Editor-in-Chief

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