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Digital Twins and Robot Sensing for Smart Construction and Facilities Management

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Deadline for manuscript
submissions:
closed (31 October 2023)

Message from the Guest Editors

Dear Colleagues,

The COVID-19 pandemic has severely disrupted global economic activities, and has very rapidly changed the way we designed, operated, and maintained the built environment. As previous relevant research on building design has much focused on structure, function and appearance, planners in trying to anticipate the new environmental inventions as related to the building performance faces exceptional difficulties. There is huge unmet needs to transform conventional operating arrays of old buildings towards autonomous built environment for improving its sustainability, resiliency, and well-being. Nowadays, innovative digital technologies such as Digital Twin, Robotics, Artificial Intelligence, and 5G have bring new opportunities for research, and seek to transform the way people design and manage the built environment. This Special Issue aims to collect state-of-the-art research on the latest development of innovative digital solutions for autonomous built environment management. Critical reviews and original research papers which address current research gaps, theoretical frameworks, methodologies, and case studies are welcome.



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Special Issue



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Message from the Editor-in-Chief

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