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AIoT for Building Construction and Maintenance Engineering

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Deadline for manuscript submissions:

25 November 2024

Message from the Guest Editors

This Special Issue on AIoT for building construction and maintenance engineering is timely and important, as it will provide a platform for researchers and practitioners to share their latest findings, technologies, and solutions in this field. The issue will cover a wide range of topics related to AIoT in architecture, engineering, construction, operation, and maintenance industry. Potential research topics include but are not limited to:

- AIoT-enabled supply chain management in the construction industry;
- AIoT-based safety management and quality management at construction sites;
- AIoT solutions for energy-efficient building management;
- Smart sensors and actuators for building automation and control;
- AIoT-powered maintenance for building systems;
- AIoT-driven data analysis for construction and maintenance optimization;
- Distributed AIoT systems in the construction industry;
- Advanced AI algorithms for smart construction and intelligence maintenance;
- BIM/CIM and AIoT data fusion;
- Digital twins and AIoT integration.



mdpi.com/si/179035

Special Issue



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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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