AI and IoT in Revolutionizing Civil Infrastructure

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closed (20 November 2021)

Message from the Guest Editors

Dear Colleagues,

This Special Issue encourages authors to submit research results covering the role of IoT and AI in the lifecycle of various civil infrastructure (such as buildings, roads, bridges, dam, railway, and sewerage system). Contributions addressing relevant concepts, design, and implementation as well as state-of-the-art review work are welcome. Topics of this Special Issue include, but are not limited to, the following:

- IoT systems for smart civil infrastructure;
- Application of computer vision, machine learning, and deep learning;
- AI and IoT for construction project management;
- AI and IoT for construction material research and development;
- Intelligent fault monitoring, detection, and diagnostics;
- Multi-sensor data fusion for IoT;
- Autonomous pavement condition assessment.

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Special Issue

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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