

Special Issue

Human-Cyber-Physical Systems (H-CPS) for Intelligent Civil Infrastructure Operation and Maintenance

Message from the Guest Editors

Civil infrastructure (CI) requires effective system-level operation and maintenance (O&M) processes to ensure safety and efficiency. Unfortunately, the Architecture, Engineering, and Construction (AEC) industry has lagged behind digitally compared to other industry sectors. Therefore, the overall goal of this Special Issue is to gather original contributions and review articles focusing on human–cyber–physical systems (H-CPS) for intelligent civil infrastructure operation and maintenance aspects. In this Special Issue, original research and review articles are both welcome. Research areas may include (but are not limited to) the following:

- Automation in construction;
- Construction management;
- Intelligent operation and maintenance;
- Sensing techniques;
- Human factors;
- Human-centered automation;
- Building information modelling (BIM);
- Augmented reality (AR)/Virtual reality (VR)/Mixed reality (MR);
- Cyber environments and security.

We look forward to receiving your contributions.

Guest Editors

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Dr. Yan Bao

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Deadline for manuscript submissions

closed (31 December 2023)



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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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