

Special Issue

Toward Sustainable Development: The Application of Artificial Intelligence in Civil Engineering

Message from the Guest Editors

We welcome artificial intelligence studies in the field of civil engineering, including but not limited to structural engineering, construction management, hydrology, hydraulic engineering, geotechnical engineering, environmental engineering, transportation engineering, coastal and ocean engineering, and materials of construction. Additionally, we look forward to comprehensive review articles on using AI in addressing practical problems in civil engineering (machine learning, deep learning, fuzzy systems, expert systems, metaheuristic optimization, etc.) Potential topics include but are not limited to the following:

- Machine learning for mechanical problems in civil engineering;
- Optimization models for single and multi-objective solutions for construction management;
- Metaheuristic optimization in civil engineering and construction management;
- AI for smart cities;
- Application of advanced artificial intelligence approaches for hydraulic problems;
- Deep-learning and machine-learning based methods for structural defect detection.

Guest Editors

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Deadline for manuscript submissions

closed (30 June 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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