

Special Issue

Application of Artificial Intelligence (AI) and Digital Transformation (DT) to Sustainable Engineering Project Management

Message from the Guest Editors

Digital technology is fundamentally transforming virtually every industry, the engineering field has witnessed disruptive changes in recent years. Research areas may include, but are not limited to:

- Artificial intelligence and machine learning applications for sustainable engineering management;
- Automation in capital projects, with a particular focus on mega-infrastructure projects, onshore and offshore drilling, power plants, industrial plants, and other engineering procurement construction (EPC) projects;
- Digitalization in the engineering and construction industries for sustainable infrastructure development;
- Building information modeling (3D-4D-5D BIM) and their applications;
- Advanced work packaging (AWP) with BIM;
- BIM-based Maintenance Repair and Operation (MRO) systems;
- Digital Twin or Digital Transformation for industrial plants;
- Natural language processing (NLP) application and text mining in construction project documents;
- chatGPT Applications in the engineering and construction field;
- Cost engineering digitalization (estimating and control);
- Digital contract management (bidding and execution).

Look forward to receiving your contributions.

Guest Editors

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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.

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