Special Issue

Artificial Intelligence for Construction Industry

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Dear Colleagues,

As one of the largest industries, the construction industry can not only drive national economic growth, but also create a large number of employment opportunities. However, it also requires a large amount of resources to be consumed in the process of design, construction, and maintenance, which is not conducive to socio-economic development and environmental improvement. Therefore, the development of the construction industry faces many challenging issues. For example, costs, productivity, health and safety, and resource shortages.

Artificial intelligence, as a cutting-edge digital technology, provides a new development path for sustainable construction and infrastructure management in the construction industry. However, there are still many challenges related to artificial intelligence in the construction industry, so researchers need to seize the valuable opportunity of digital development of artificial intelligence to fill the existing gaps in research related to the construction industry. We invite researchers from different disciplines to submit original research for consideration in this special issue. In order to promote the development of the emerging construction industry, this research is necessary.

Keywords:

Artificial Intelligence; Sustainable Construction; Automated Technologies; Construction Management; Advanced Buildings and Infrastructure Systems; Fuzzy Mathematical Modeling