Special Issue

Intelligent Construction: Advancements in Civil Engineering and Building Structures

Message from the Guest Editors

The concept of Intelligent Construction (IC) is revolutionizing the Architecture, Engineering, and Construction (AEC) industry by integrating advanced information technologies such as Artificial Intelligence (AI) and the Internet of Things (IoT). We invite contributions to our Special Issue and seek submissions showcasing the latest developments reshaping civil engineering and construction globally. Experts are invited to share research findings exploring the broad impacts of AI and IoT on construction, from enhancing project efficiency and sustainability to improving design methodologies and safety protocols. Topics of interest include data fusion and decision-making, improving knowledge representation and utilization efficiency, establishing large pre-trained models, and embodied AI for action based on decisions. Submit to this Special Issue to shape civil engineering's future, inspire readers, and make intelligent construction integral to sustainable, efficient, and safe structures. Keyword: intelligent construction; advanced information technologies; data fusion and decision-making; embodied AI; sustainable building structures

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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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