



Intelligent Construction: Advancements in Civil Engineering and Building Structures

Guest Editors:

Dr. Sandra Pereira

School of Science and Technology, University of Trás-os-Montes e Alto Douro, Portugal
C-MADE / UTAD, Quinta de Prados, 5000 Vila Real, Portugal

Dr. António Cunha

Department of Engineering, University of Trás-os-Montes and Alto Douro and INESC TEC, 5000-801 Vila Real, Portugal

Deadline for manuscript submissions:

31 October 2024

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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Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

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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