Special Issue

Artificial Intelligence in Smart Buildings

Message from the Guest Editors

With recent advances in artificial intelligence, energy and the built environment are becoming more and more closely linked. The term “artificial intelligence” refers to intelligence demonstrated by machines that perform cognitive functions associated with the human minds. The concept is related to machines that process large amounts of information either using historical data or data acquired via interaction with the environment, and which continually learn through the consequences of action–result combinations. Artificial techniques can be used in smart buildings in order to improve their performance in a fully automated concept. This Special Issue encourages authors from both industry and academia to develop advanced artificial intelligence approaches in smart buildings and submit original research papers contributing to the aforementioned challenges.

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Deadline for manuscript submissions

closed (31 May 2021)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/28694

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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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