

Special Issue

Artificial Intelligence for Buildings

Message from the Guest Editor

This Special Issue seeks manuscripts that address the following themes related to AI in buildings: 1) Bias in AI data—AI is often only as good as the data on which it was trained. There is a need for improved methods for ensuring sufficient data for proper functioning of the trained AI agent, testing bias inherent in a training dataset, including an incomplete sampling range of input variables, underlying human-derived bias of input data, or the challenging aspect of identifying additional input variables needed to sufficiently capture the target function. 2) Equitable AI applications—AI’s capabilities for automation, prediction, and optimization can improve our quality of life while considering trade-offs of costs including energy, environmental, social, and other constraints. 3) Diverse AI workforce—there is global concern over the retraining necessary for AI-disrupted industries and stress that AI-displaced workers may put on nations’ social support structures.

Guest Editor

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Deadline for manuscript submissions

closed (20 May 2022)



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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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