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Application of AI in Energy Savings and CO_2 Reduction

Guest Editor:

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Deadline for manuscript submissions:
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Message from the Guest Editor

The intent of this Special Issue is to present the current research with respect to how new technologies, namely, artificial intelligence and machine learning, have contributed to energy savings and CO_2 emission reductions in engineering fields. Additionally, the application of current techniques and their significance will be addressed. This Special Issue will highlight the results of current research and development activities of the use of AI and machine learning in energy savings and CO_2 reduction in the following areas: (1) transportation including ground vehicles and aerospace, (2) robotics and manufacturing, (3) industrial processes, (4) residential and institutional facilities, (5) power generation, and (6) agriculture. It is our objective to provide directional guidance within these research investigations to later serve as a valuable source for researchers' future exploration. This Special Issue will contribute to the current knowledge base by presenting insights into intelligent techniques in the aforementioned areas to reduce energy usage and to mitigate CO_2 emissions.

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Message from the Editor-in-Chief

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