Special Issue

Artificial-Intelligent-Based Advanced Energy Management Systems for Microgrids in Smart Cities

Message from the Guest Editors

In the modern era, smart cities are gaining attention due to the number of services offered to the citizens. Microgrids in smart cities can be optimized with the help of advanced energy management systems that are enabled by artificial intelligence and machine learning techniques. These techniques are crucial in the energy management system as they not only reduce energy losses, but also create revenue streams for citizens and city management authorities. Different methods are used to further explore the enhancement of advanced EMSs, such as demand response programs (DRPs) and demand-side management strategies (DMSs). Various technologies, such as the Internet of Things (IoT) and cybersecurity methods, are used in smart cities to make the electrical grid reliable and resilient. One of the main aspects of energy management systems is the optimal accommodation of renewable energies in smart microgrids. Thus, submissions on cutting-edge theoretical and experimental studies and recent advances detailed in comprehensive reviews are warmly welcome.

Guest Editors

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Deadline for manuscript submissions

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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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