Industry 4.0 Technologies Supporting the Energy Transition

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Deadline for manuscript submissions:
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Message from the Guest Editors

Dear Colleagues,

This Special Issue solicits high-quality theoretical papers, methodological studies, and empirical research (or combination thereof) concerning the application of the Industry 4.0 paradigm to support the energy transition. The main topics of interest include but are not limited to the use of Industry-4.0-enabled methods and technologies for

- Improved demand flexibility;
- Adaptive control of power consumption profiles;
- Load management for demand response and smart grid programs;
- Machine learning techniques for energy efficiency;
- Real-time measurements of energy efficiency in industrial processes;
- Advanced communication systems and Industrial IoT;
- Innovative sensing strategies in industrial processes;
- Energy data analysis and diagnostics;
- Big data management and energy information systems;
- Blockchain technologies;
- Energy management case studies.

Special Issue

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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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