Applications of Machine Learning for Renewable Energy based Modern Power Systems

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Message from the Guest Editors

This Special Issue will bring together researchers from academia and industry to share and publish novel ideas, explore inherent challenges in developing future power systems, investigate novel designs, explore enabling technologies, and share relevant experiences in machine learning methods in smart grids and their applications. Topics for this Special Issue include, but are not limited to:

- Enabling technologies for mini- e microgrids
- Distributed generating resources in smart grids
- Concentrated and distributed storage systems in smart grids
- Smart metering, demand–response, and dynamic pricing
- Intelligent monitoring systems.
- Control and operation for smart grids
- Smart grid impact on isolation and service restoration
- Smart grid enhancement of energy management systems
- Vehicle-to-grid (V2G).
- Data Management and Grid Analytics
- Energy management systems for microgrids
- DERs
- Microgrid modelling through machine learning
- Grid services and DERs optimization
- Multi-agent systems
- Distributed artificial intelligence

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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