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Machine Learning and Deep Learning for Energy Systems

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Message from the Guest Editor

This Special Issue aims to provide comprehensive coverage on cutting-edge research and state-of-the-art methods on machine learning, data science, and deep learning applications on energy-related projects. Authors are requested to submit papers on (but not limited to) the following topics:

Deadline for manuscript
submissions:

closed (31 January 2022)

1. Optimization of renewable energy using machine learning and deep learning;
2. Machine learning and deep learning models for mitigation of wind power fluctuation and methods for power generation;
3. Prediction of levelized cost of electricity;
4. Forecasting model for wind speed and hourly and daily solar radiation;
5. Predictive models for smart building with heating and cooling load prediction;
6. Saving energy using predictive models;
7. Prediction of hourly global solar irradiation;
8. Forecasting of PV power generation;
9. Performance evaluation of solar thermal energy systems;
10. Classifications using deep learning or advanced machine learning for power quality disturbances;
11. Electricity market price prediction using advanced machine learning;
12. Case study on combined applications of machine learning, IoT and big data for energy efficiency.



mdpi.com/si/46503

Special Issue



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Message from the Editor-in-Chief

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