



## Advanced Machine Learning Applications in Modern Energy Systems

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Deadline for manuscript submissions:

**closed (28 September 2023)**

### Message from the Guest Editors

Dear Colleagues,

Optimization in sustainable energy systems is necessary for sustainable development. This Special Issue will consider various important factors, such as minimizing performance costs and environmental pollution and increasing sustainability and reliability. The uncertainty modeling of input parameters should also be considered in this problem. The purpose of this Special Issue is to provide an opportunity for researchers to present new machine learning methods in sustainable modern energy systems in order to decrease the performance cost and environmental pollution and increase the sustainability and reliability. Topics of interest include, but are not limited to:

- The application of machine learning in the energy, water, and food nexus;
- Uncertainties modeling of stochastic parameters in energy systems;
- Load demand forecasting in smart cities;
- Electricity price forecasting in modern energy markets;
- Electric vehicles load demand forecasting in order to schedule in smart grids;
- Integrated natural gas and electric networks;
- Sustainable development;
- Techno-economic evaluation of energy systems.





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## Message from the Editor-in-Chief

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