



## Machine Learning and Data Mining Applications in Power Systems

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### Message from the Guest Editors

This Special Issue is intended as a forum for advancing research and for applying machine learning and data mining in order to facilitate the development of modern electric power systems, grids and devices, smart grids, and protection devices, as well as for developing tools for more accurate and efficient power system analysis.

The expected outcomes will be a grid with improved situation awareness, faster and more accurate control actions to detect and isolate faults, improved assurance of power quality, and higher levels of energy efficiency.

Keywords:

- machine learning
- data mining
- smart grids
- power system control
- power system protection
- power flow
- energy management
- renewable energy
- demand-side management
- demand response
- load scheduling
- uncertainty estimation
- power balancing





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## Message from the Editor-in-Chief

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