Special Issue

Intelligent Optimization and Machine Learning in Power and Energy Systems

Message from the Guest Editors

Power and energy systems are critical infrastructures that require efficient, reliable, and sustainable actions. The complexity of these systems is increasing continuously due to the integration of a number of factors, including renewable energy sources, energy storage, electric vehicles, smart grids, and demand-side management. This Special Issue is devoted to addressing these issues by presenting recent and novel methodologies that are related to intelligent optimization and machine learning in power and energy systems. Keywords

- optimization
- machine learning and data mining
- artificial intelligence
- power systems
- smart grids
- energy storage
- renewable energy integration
- renewable energy forecasting
- load forecasting and demand-side management
- grid reliability and resilience

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Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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