

Special Issue

Artificial Intelligence Applications in Power and Energy Systems

Message from the Guest Editor

Artificial intelligence technologies have played an active role in improving grid driving capabilities, ensuring energy security, reducing energy waste, promoting the development of new energy, and better serving economic and social development. Strengthening the application of AI in power and energy systems is conducive to improving the operational efficiency and energy utilization of power systems, promoting the reform of power systems, promoting the intelligence of power systems, and achieving carbon emission reduction goals, and is also important in the current development of energy systems. This Special Issue welcomes original research articles and reviews discussing the latest research. Topics include the following: smart energy markets in the context of carbon emission reduction, smart grid operation optimization under the background of carbon emission reduction, smart grids, big data and power systems, smart forecasting and scheduling, green power automation, energy-oriented data mining and artificial intelligence technologies, energy internet, information and communication technologies, smart machines in power systems, techno-economic aspects of smart energy systems, etc.

Guest Editor

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I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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