

Special Issue

Artificial Intelligence Applications in the Management of Smart Cities and Smart Grids

Message from the Guest Editors

With the size of the data growing in modern power systems based on advanced metering infrastructure (AMI), it is believed, more than ever before, that computer-aided machine learning techniques or artificial intelligence (AI) could make large contributions by assisting with the filtering, cleaning, clustering and classification of the data. We invite authors to submit original research works to this Special Issue, with a special focus on machine learning techniques with applications in:

- AI-based modeling, operation and management of smart grids and smart cities
- AI-based planning and design of the distribution systems
- AI-based smart citizen and human health management in smart cities
- Computer-aided operation, modeling and management of the smart city
- Optimal modeling and scheduling of the microgrids
- Computer-aided active/reactive power compensation in power grids
- Cyber security of smart grids, microgrids and smart cities
- Modeling and managing of electric vehicles charging and discharging pattern
- Electric motor using wireless power
- Control and communication for wireless power transfer

Guest Editors

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Deadline for manuscript submissions

closed (26 November 2023)



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Message from the Editor-in-Chief

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. *Sustainability* publishes original research articles, review 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.

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