Special Issue

Internet of Things, Edge Computing, and Artificial Intelligence for Smart Grid

Message from the Guest Editors

The Internet of Things (IoT) has been implemented in smart grids to enhance the efficiency, availability, and reliability of power systems. Smart grid is arguably the largest and most complex IoT implementation in the world as smart grid can potentially connect millions of IoT devices distributed in very large areas running different communication protocols. Artificial intelligence (AI) can have a key function in synthesizing and discovering valuable insights from the increasingly massive and complex data generated from IoT-integrated smart grids. AI techniques can also be used to automate and optimize the smart grid. This Special Issue focuses on the issues around the Internet of Things, edge computing, and artificial intelligence in smart grids. Topics of interest for publication include but are not limited to the following:

- Internet of Things and edge computing implementation in smart grid systems;
- Artificial intelligence implementation in smart grids;
- Cybersecurity of IoT-based smart grids;
- Data analytics in IoT-based smart grids;
- Renewable energy and smart grids;
- Smart cities and smart grids

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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