Special Issue

IoT Systems for Energy Applications

Message from the Guest Editors

Dear colleagues, Bringing ever more intelligence to the operational fields, Internet-of-Things (IoT) systems promise to significantly improve the processes of energy generation, distribution, and utilization. IoT supports real-time monitoring, situational awareness and intelligence, control, and cyber security, which can make the energy eco-system more effective, efficient, secure, reliable, resilient. Insights from data collected from field devices could be used to develop new services, improve real-time decision-making, solve critical problems, reduce wastage, early detect maintenace issues, enhance energy access also by poorer people. Achieving these targets requires developing complex hardware/software systems, spanning from the edge to the cloud, in a variety of application domains and dealing with issues such as scalability, interoperability, safety, security, consumption, pollution. The goal of this Special Issue is to present and discuss IoT-based solutions that advance the technological state of the art of energy-related applications.

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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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