Special Issue

Advanced IoT Technologies for Data Gathering in Smart Grid

Message from the Guest Editor

We invite submissions to a Special Issue of Energies on the subject of “Advanced IoT Technologies for Data Gathering in Smart Grid”. In recent years, communication technology has converged with electrical power networks, which has led to the new concept of a smart grid. By using digital data communication, data gathered at a specific point can be reused in many other applications, whereas legacy analog data can be delivered using copper wires to the limited applications. The traditional client-server based communication concept is not efficient in the new era of the smart grid due to the large volume of data and distributed nature of data origin. The IoT protocol will pave the way for the use of widespread data anywhere and make big data applications possible.

Topics: IoT protocols for data gathering; IoT protocols for monitoring; IoT protocols for big data applications; Communication architecture for data gathering; Big data applications; Sensor network in a smart grid; Micro grid data gathering; IoT data analysis for smart grid.

Guest Editor

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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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