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Advanced IoT Technologies for Data Gathering in Smart Grid

Guest Editor:

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Deadline for manuscript submissions:
closed (10 November 2021)

Message from the Guest Editor

Dear Colleagues,

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.

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Message from the Editor-in-Chief

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