

Special Issue

Wireless Sensor Networks in Smart Grid Communications

Message from the Guest Editors

The smart grid is an emerging technology that is supporting significant changes in economies and social networks worldwide. In the energy sector, various regional and state grid systems have begun the transformation from being consumers of electricity to producing, sharing, and storing energy by deploying smart grid infrastructure. However, due to often remote and extreme conditions, in smart grids, cybersecurity and resilience are two of the many challenges in leveraging energy grids. Considering hackers' recent attacks on energy grids and the distributed structure of these systems, the use of traditional means of computer protection and searching for crimes becomes more difficult or insufficient. Luckily, with the aid of state-of-the-art cybersecurity technologies and resilient systems, we can produce a feasible scheme to ensure the security of smart grids from the source. Hence, there is a need to study and design new cybersecurity technologies and resilient systems for smart grids.

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