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In this paper, we provide a comprehensive and up-to-date survey on the communication technologies used in the SG, including the communication requirements, physical layer technologies, network ...

The main objective of this paper is to provide a contemporary look at the current state of the art in smart grid communications as well as to discuss the still-open research issues in this field.

The Smart Grid can be defined as an electric system that uses information, two-way, cyber-secure communication technologies, and ...

With this study, we hope to present a comprehensive overview of SGCN, including its essential characteristics, necessary communication ...

In this paper, the communication technology, architectural design, cutting-edge applications, and protocols of IoT-assisted SG systems are comprehensively reviewed. The main ...

Table 1 presents an overview of the communication technologies relevant to smart grids, including wireless and wired communication methods, IoT and edge computing, artificial intelligence ...

The goal of this document is to demonstrate the foundational dependencies of communication technology to support grid operations while highlighting the need for a systematic approach for ...

Explore the key communication technologies used in smart grid systems, enhancing energy efficiency and reliability.

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