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Smart grid communication technologies



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Communication Technologies for Smart Grid: A Comprehensive Survey

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 ...

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Smart Grid Communications , NIST

The availability of new technologies such as distributed sensors, two-way secure communications, advanced software for data management, and intelligent and autonomous ...



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An overview and multicriteria analysis of communication technologies

It reviews smart grid communication technologies, their features, relevance, and various roles being played toward delivering an effective electrical service to stakeholders. Hence, this study ...

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(PDF) Smart Grid Communication Technologies

This paper presents an overview of existing communication technologies such as ZigBee, WLAN, cellular communication, WiMAX, Power Line Communication (PLC), their implementation in ...

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Smart Grid Communications and Networking

Adding intelligence through the newly networked grid will increase reliability and power quality, improve responsiveness, increase efficiency and provide a platform for new applications.

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Grid Communication Technologies

This paper describes the various communication technologies available and their limitations and advantages for different grid operational processes, aiming to assist the discussion between ...

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Smart Grid Technologies: Communication Technologies and ...

To address the challenges of the existing power grid, the new concept of smart grid has emerged.

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