

# Smart Grid Test Bed Using OPNET and Power Line Communication

Part of the Advances in Computer and Electrical Engineering Book Series

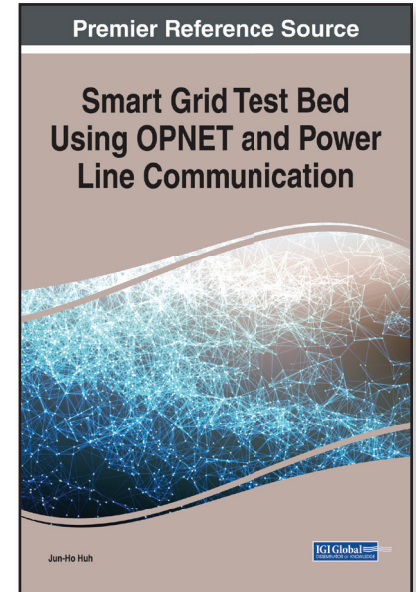
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## Description:

Smart technology has significantly enhanced the efficient management of electric power supply systems. Despite the benefits of these advances, the complexity of such systems has proven to be difficult for testing purposes.

## Smart Grid Test Bed Using OPNET and Power Line

**Communication** presents an innovative perspective on the design, development, and implementation of an expandable test bed for smart grid applications. Highlighting pertinent topics such as intrusion detection, user interface, and performance evaluation, this book is an ideal reference source for researchers, academics, engineers, students, and professionals interested in the latest advancements for smart grid technologies.



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## Topics Covered:

- Communication Infrastructure
- Electric Power Monitoring
- Intrusion Detection
- Mobile WiMAX Architecture
- Performance Evaluation
- User Interface
- Zigbee Architecture

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