

Emerging Capabilities and Applications of Wireless Power Transfer

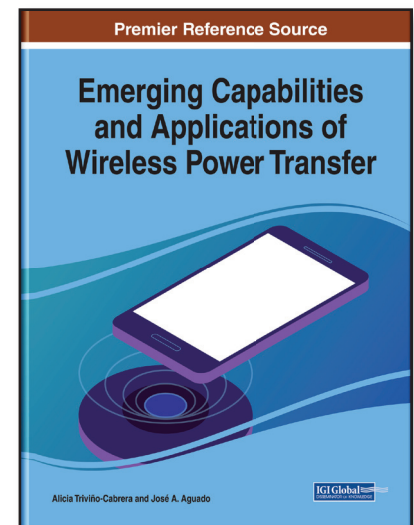
Part of the Advances in Wireless Technologies and Telecommunication Book Series

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Description:

Technologies that enable powering a device without the need for being connected with a cable to the grid are gaining attention in recent years due to the advantages that they provide. They are a commodity to users and provide additional functionalities that promote autonomy among the devices.

Emerging Capabilities and Applications of Wireless Power Transfer is an essential reference source that analyzes the different applications of wireless power transfer technologies and how the technologies are adapted to fulfill the electrical, magnetic, and design-based requirements of different applications. Featuring research on topics such as transfer technologies, circuitual analysis, and inductive power transfer, this book is a vital resource for academicians, electrical engineers, scientists, researchers, and industry professionals seeking coverage on device power and creating autonomy through alternative power options for devices.



ISBN: 9781522558705

Release Date: September, 2018

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Pages: 300

Topics Covered:

- Circuitual Analysis
- Couple Coils Model
- Inductive Power Transfer
- Magnetic Resonance Technology
- Smart Cities
- Transfer Technologies
- Voltage-Controlled Capacitor

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