

# Handbook of Research on New Solutions and Technologies in Electrical Distribution Networks

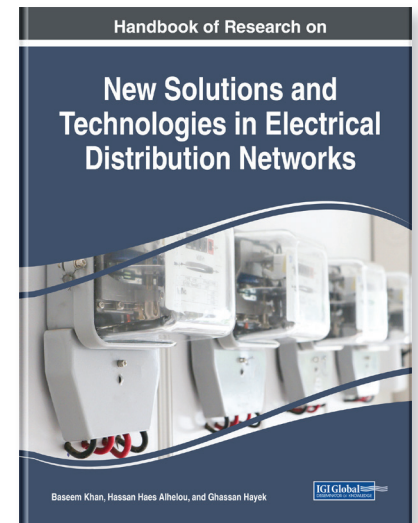
Part of the Advances in Computer and Electrical Engineering Book Series

Baseem Khan (Hawassa University, Hawassa, Ethiopia), Hassan Haes Alhelou (Tishreen University, Syria) and Ghassan Hayek (Tishreen University, Syria)

## Description:

As the electrical industry continues to develop, one sector that still faces a range of concerns is the electrical distribution system. Excessive industrialization and inadequate billing are just a few issues that have plagued this electrical sector as it advances into the smart grid environment. Research is necessary to explore the possible solutions in fixing these problems and developing the distribution sector into an active and smart system.

The **Handbook of Research on New Solutions and Technologies in Electrical Distribution Networks** is a collection of innovative research on the methods and applications of solving major issues within the electrical distribution system. Some issues covered within the publication include distribution losses, improper monitoring of system, renewable energy integration with micro-grid and distributed energy sources, and smart home energy management system modelling. This book is ideally designed for power engineers, electrical engineers, energy professionals, developers, technologists, policymakers, researchers, academicians, industry professionals, and students seeking current research on improving this key sector of the electrical industry.



**ISBN:** 9781799812302

**Release Date:** December, 2019

**Copyright:** 2020

**Pages:** 370

## Topics Covered:

- Demand Side Management
- Distribution Losses
- Existing Issues
- Harmonics Mitigation
- Maintenance Issues
- Micro-Grid Technologies
- Reliability Assessment
- Reliability Enhancement
- Smart Meters
- Smart Sensors
- Voltage Dip

**Hardcover: \$270.00**

**E-Book: \$270.00**

**Hardcover + E-Book: \$325.00**

### Order Information

Phone: 717-533-8845 x100

Toll Free: 1-866-342-6657

Fax: 717-533-8661 or 717-533-7115

Online Bookstore: [www.igi-global.com](http://www.igi-global.com)

Mailing Address: 701 East Chocolate Avenue, Hershey, PA 17033, USA