

# Novel Advancements in Electrical Power Planning and Performance

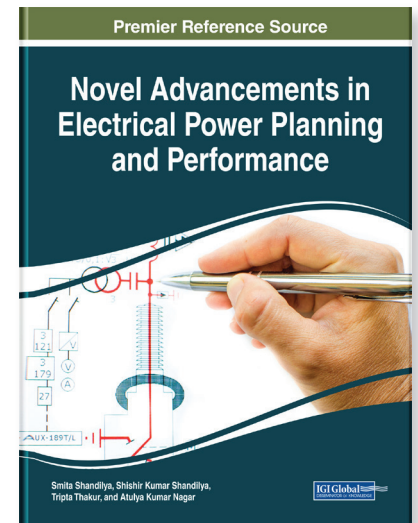
Part of the Advances in Environmental Engineering and Green Technologies Book Series

Smita Shandilya (Sagar Institute of Research, Technology and Science, India), Shishir Kumar Shandilya (Vellore Institute of Technology, India), Tripta Thakur (Maulana Azad National Institute of Technology, India) and Atulya K. Nagar (Liverpool Hope University, UK)

## Description:

As the demand for efficient energy sources continues to grow, electrical systems are becoming more essential to meet these increased needs. Electrical generation and transmission plans must remain cost-effective, reliable, and flexible for further future expansion. As these systems are being utilized more frequently, it becomes imperative to find ways of optimizing their overall function.

**Novel Advancements in Electrical Power Planning and Performance** is an essential reference source that provides vital research on the specific challenges, issues, strategies, and solutions that are associated with electrical transmission and distribution systems and features emergent methods and research in the systemic and strategic planning of energy usage. Featuring research on topics such as probabilistic modeling, voltage stability, and radial distribution, this book is ideally designed for electrical engineers, practitioners, power plant managers, investors, industry professionals, researchers, academicians, and students seeking coverage on the methods and profitability of electrical expansion planning.



**ISBN:** 9781522585510

**Release Date:** August, 2019

**Copyright:** 2020

**Pages:** 380

## Topics Covered:

- Anchor Mobility Control
- Fault Analysis
- Grey Wolf Optimization
- Moth-Flame Optimization
- Power Flow
- Probabilistic Modeling
- Radial Distribution
- Reactive Compensation
- Renewable Energy
- Voltage Stability

**Hardcover:** \$225.00

**E-Book:** \$225.00

**Hardcover + E-Book:** \$270.00

### 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