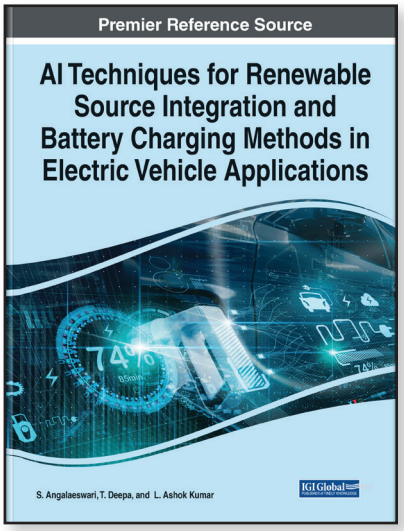
AI Techniques for Renewable Source Integration and Battery Charging Methods in Electric Vehicle Applications



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Description:

Artificial intelligence techniques applied in the power system sector make the prediction of renewable power source generation and demand more efficient and effective. Additionally, since renewable sources are intermittent in nature, it is necessary to predict and analyze the data of input sources. Hence, further study on the prediction and data analysis of renewable energy sources for sustainable development is required.

AI Techniques for Renewable Source Integration and Battery Charging Methods in Electric Vehicle Applications focuses on artificial intelligence techniques for the evolving power system field, electric vehicle market, energy storage elements, and renewable energy source integration as distributed generators. Covering key topics such as deep learning, artificial intelligence, and smart solar energy, this premier reference source is ideal for environmentalists, computer scientists, industry professionals, researchers, academicians, scholars, practitioners, instructors, and students.

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Topics Covered:

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- Deep Learning
- Electric Car Batteries
- Hybrid Energy Storage Systems
- Renewable Energy
- Renewable Energy Resources
- Smart Solar Energy
- Software Communication Interfaces
- Solar Photovoltaic Emulator
- Swappable Battery Data Management System
- Wireless Power Transfer

Subject: Science and Engineering

Classification: Edited Reference

Readership Level: Advanced-Academic Level (Research Recommended)

Research Suitable for: Advanced Undergraduate Students; Graduate Students; Researchers; Academicians; Professionals; Practitioners

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