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Autore	Gaber Hossam
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Nota di contenuto	Power System Monitoring and Control -- Power Electronics and Transmission Technology -- Power Supply System and Energy Storage Technology -- Smart Grid Operation and Optimization -- Motor Design and Performance Evaluation -- Electronic and Electrical Engineering -- High Voltage Transmission and Power Transmission -- Photovoltaic Power Generation and Grid Connection Technology -- Modern Energy and Environmental Science -- Electrical Engineering and Automation --

Renewable Energy and Clean Energy -- Electricity Consumption and Energy Market -- Power System Analysis and Calculation -- New Energy Power Generation Technology and Application -- Thermal Energy and Power Engineering -- New Battery Design and Development.

Sommario/riassunto

This book provides readers with peer-reviewed research papers presented at the 5th International Conference on Clean Energy and Electrical Systems held in Tokyo, Japan, from April 1 to 4, 2023. This proceedings mainly covers theoretical, technical, and practical methods and practices on clean energy and electrical systems. And it includes nuclear energy and "renewable energy." With the continuous growth of energy demand and the increasing awareness of environmental protection in countries around the world, it is urgent and imperative to establish a clean energy innovation research and development, promotion, and application system. The book also covers electricity, fuel, thermal, transportation, and water infrastructures and their development and deployment in different regions around the world. The book includes future development trends with analysis of lifecycle and economical models for successful implementation projects.
