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This book gathers outstanding papers presented at the 18th Annual Conference of China Electrotechnical Society, organized by China Electrotechnical Society (CES), held in Nanchang, China, from September 15 to 17, 2023. It covers topics such as electrical technology, power systems, electromagnetic emission technology, and electrical equipment. It introduces the innovative solutions that combine ideas from multiple disciplines. The book is very much helpful and useful for the researchers, engineers, practitioners, research students, and interested readers.

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