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Selection of Neutral Grounding Reactor for Autotransformers in 500 kV Substation -- Anomaly Detection for Wind Turbine Based on Contrastive Learning and Causal Feature Selection -- Overview of Impedance Passivation Methods for Grid-following and Grid-forming Inverters -- Research on VSG Transient Control Strategy Based on Virtual Inertia and Coordinated Adaptive Damping.

Sommario/riassunto

This conference is one of the most significant annual events of the China Electrotechnical Society, showcasing the latest research trends, methodologies, and experimental results in electrical, electronic, and networked energy systems. The proceedings cover a wide range of cutting-edge theories and ideas, including topics such as power systems, power electronics, smart grids, renewable energy, energy integration in transportation, advanced power technologies, and the energy internet. The aim of these proceedings is to provide a key interdisciplinary platform for researchers, engineers, academics, and industry professionals to present groundbreaking developments in the field of electrical, electronic, and networked energy systems. It also offers engineers and researchers from academia, industry, and government a comprehensive view of innovative solutions that integrate concepts from multiple disciplines. These volumes serve as a valuable reference for researchers and graduate students in electrical engineering.