1. Record Nr. UNINA9910842491403321 Autore Yang Qingxin **Titolo** The proceedings of the 18th Annual Conference of China Electrotechnical Society [[electronic resource]]: Volume VII / / edited by Qingxin Yang, Zewen Li, An Luo Singapore:,: Springer Nature Singapore:,: Imprint: Springer,, 2024 Pubbl/distr/stampa **ISBN** 981-9710-72-3 Edizione [1st ed. 2024.] Descrizione fisica 1 online resource (906 pages) Collana Lecture Notes in Electrical Engineering, , 1876-1119; ; 1169 Altri autori (Persone) LiZewen LuoAn Disciplina 621.3 Soggetti Electrical engineering **Electronics** Electric power production Electronic circuits **Electrical and Electronic Engineering** Electronics and Microelectronics, Instrumentation **Electrical Power Engineering Electronic Circuits and Systems** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto Intro -- Contents -- RUL Prediction Method of Series Battery Based on Improved Limit Learning Machine -- 1 Introduction -- 2 Extraction of Characteristic Parameters of Series-Connected Battery Recession --2.1 Energy Signature -- 2.2 Time Interval for Charging Voltage Rise --2.3 Standard Deviation Signal (Electronics) -- 2.4 Charge Current Drop Interval -- 2.5 Skewness Signal -- 3 RUL Prediction Method for Series-Connected Batteries -- 3.1 Establishment of Battery RUL Prediction Model Based on Improved Limit Learning Machine -- 3.2 Quantification of Uncertainty in Forecast Results -- 4 Analysis of Experimental Arguments -- 4.1 Experimental Preparation -- 4.2 Description of the Experiment -- 4.3 Analysis of Projected Results -- 5 Summarize

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Sommario/riassunto

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.