

Title: Power Grid Micro-speech Activity

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This study focuses on the smart grid operation scenario, and explores the keyword extraction and analysis technology of the operators' oral operation process before admission. This ...

In power electronic dominated grids, we justify the name of this paradigm as Spike Talk, as spike neurons are utilized to convey the system states [15]. If the aforementioned principles are ...

Application of Speech Recognition Technology in Power Grid Dispatching Automation Faqi Yan¹, Chunming Wang¹, Jianzhong Dou¹, Yang Liu¹ and Xusheng Yang² ¹Central China ...

An acoustic lexicon of dispatching speech based on grid professional and localized vocabulary is constructed, and an acoustic model of grid dispatching speech recognition based on big data and ...

The proposed approach involves the creation of a specialized corpus tailored specifically for power dispatch speech recognition, focusing on power dispatch-specific terminology and regional ...

The application of speech recognition technology in the power industry can improve the collaborative efficiency of power grids at all levels and reduce the work intensity of dispatchers, which ...

To further improve the speech recognition capability in power grid call systems, this paper proposes a sentiment analysis model KBERT-TextCNN-B to enhance the text sentiment ...

In recent years, with the rapid development of social economy, China's investment in power grid dispatching automation system has also been increasing year by year to meet the increasing ...

In this paper, based on the speech recognition engine, an interactive platform that can be applied to power grid speech recognition is constructed. When testing the power grid speech with ...

Therefore, it is necessary to study the speech recognition technology for the electric power industry to realize



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the speech information recognition and processing for the smart grid.

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