Speech Recognition and Machine Learning: Current Trends and Future

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Message from the Guest Editors

Automatic speech recognition (ASR) can provide effective communications in global business activities. Deep neural networks (DNN) have made impressive progress in this. Many researchers regard it as a solved problem. However, the reality is not as optimistic as some big companies advertise. For example, the services of ASR for low-resource languages, which more than 50% of the global population speaks, fall behind.

On the other hand, the progress of natural language processing (NLP) and computational vision (CV) shows promising directions in the future, such as the self-training models. Inspired by these techniques, novel algorithms are proposed to solve the complicated problems occurring in the real world. These applications and algorithms deeply reshape our way of human–computer interactions.

This Special Issue aims to follow these influential trends. Papers that address innovative applications and algorithms related to next-general speech and language processing are all welcome for this issue.

Special Issue