Special Issue

The Recent and Latest Developments in Speech and Audio Processing

Message from the Guest Editors

This Special Issue welcomes contributions that address hardware and software solutions, emphasizing artificial intelligence (AI)-based approaches. Topics of Interest

- Speech and Emotion Synthesis: Hardware and software systems for generating expressive, contextsensitive speech, including deep learning-based models;
- Speech- and Voice-Based Medical Diagnostics: AI-enhanced diagnostic platforms and signal analysis methods for clinical speech and voice assessment;
- Machine Learning and AI for Speech Applications: Classifiers and models for emotion recognition, speaker identification, pathology detection, and related tasks;
- Speech Intelligibility and Comprehension: Intelligent systems for speech perception in adverse conditions, including assistive technologies;
- Speaker and Speech Separation: Hardware and software implementations for multi-speaker audio processing using signal processing and deep learning techniques.

Keywords

- speech synthesis/speech quality
- speech acoustic methods
- voice analysis/signal processing
- electroglottography
- acoustic database
- speech separation

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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