Advances and Applications of Audio and Speech Signal Processing

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Message from the Guest Editors

Dear Colleagues,

In this Special Issue, original research articles and reviews are welcome. Topics may include (but are not limited to) the following:

1. Audio and speech modeling, speech coding and transmission.
2. Single/multiple microphone signal processing for speech enhancement/separation, sound source localization/tracking, speech dereverberation, active noise control, and echo cancellation.
3. Audio for multimedia and audio processing systems, e.g., audiovisual speech enhancement/recognition/localization.
4. Bioacoustics and medical acoustics, e.g., using EEG/fMRI measurements to assist speech processing.
5. The detection and classification of acoustic scenes and events, and the modeling, analysis and synthesis of acoustic environments.
6. Music information retrieval, and music signal analysis, processing and synthesis.
7. Speech quality and intelligibility measures, auditory modeling and hearing instruments.
8. Speech production, speech perception and psychoacoustics.
9. Speech synthesis and generation, and spatial stereo sound production.
10. Automatic speech recognition.
11. Speaker recognition and identity privacy preservation.

Special Issue

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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