

Special Issue

Recent Advances in Voice Identification Technology

Message from the Guest Editors

Recent years have seen wide deployment of Automatic Speaker Recognition systems (ASRs) for ensuring information security, for accessing and transferring finance, and in the forensic sector. The greater confidence in the technology has in large part arisen from improvements to its accuracy and to its robustness when operating in less-than-ideal conditions. This Special Issue will focus on the following topics:

- advances in the architecture of ASR technology, improvements to algorithms, and development of x-vectors, deep neural networks (DNNs) and beyond;
- relationships between the features utilised by ASRs and those used in more 'traditional' voice/speaker comparison casework;
- testing of ASRs to establish performance levels under different operating conditions: levels of noise, reverberation, limited frequency bandwidth speech input, short speech samples, and different voice types;
- use of reference populations of voices and the creation and organisation of voice data-banks; and
- surveys/reviews concerning the use of ASRs in banking and forensic domains.

Guest Editors

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Deadline for manuscript submissions

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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.

Editor-in-Chief

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