

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

Prof. Dr. Peter French

Prof. Dr. Volker Dellwo

Dr. Philip Harrison

Dr. Thayabaran Kathiresan

Deadline for manuscript submissions

closed (31 March 2021)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/60789

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

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

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, Embase, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)