

Special Issue

Audio and Acoustic Signal Processing

Message from the Guest Editors

Acoustic signal processing has various applications such as source separation, reverberation suppression, microphone array, echocancellation, active noise control, speech enhancement, immersivesound, and sound field reproduction. It is also necessary to study the signal processing methods and algorithms to realize them. Furthermore, technologies related to electro-acoustic transducers such as loudspeakers and microphones are also essential. Further research in the field of acoustic signal processing, including recent efforts and new issues, has been conducted in recent years. In this Special Issue, we invite papers on the theory and application of signal processing techniques required in audio and acoustic systems. Keywords

- audio and acoustic signal processing
- source separation
- speech enhancement
- acoustic echo cancellation
- active noise control
- de-reverberation
- microphone array
- immersive audio
- 3D sound reproduction

Guest Editors

Prof. Dr. Yoshinobu Kajikawa

Department of Electrical, Electronic and Information Engineering,
Faculty of Engineering Science, Kansai University, Osaka 564-8680,
Japan

Prof. Dr. Cheng-Yuan Chang

Department of Electrical Engineering, Chung Yuan Christian University,
Chung Li, Taoyuan 32023, Taiwan

Deadline for manuscript submissions

closed (28 February 2023)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/92681

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)