

## Special Issue

# Acoustics Sensing, Signal Processing, and Deep Learning Models

### Message from the Guest Editors

Acoustics has emerged as the key to sensing in a wide range of applications, from space to deep sea environments. The development of acoustic devices ranges from sophisticated consumer electronics to advanced acoustic sensing in ultrasonic, marine, and terrestrial environments, and space. These diverse technological applications of acoustic sensing have given way to the rapid process of novel signal processing and methodologies to analyze acoustic data, ranging from traditional methods to recent applications of deep learning and generative models for voice recognition, voice-to-speech conversion, and fake audio. This Special Issue aims to publish these recent technological advances in acoustic sensing and related methodologies.

- Marine and Terrestrial Acoustics.
- Space Acoustics.
- Room Acoustics.
- Vibrational Acoustics.
- Electronic Acoustics.
- Deep learning and Generative Models in Acoustics.
- Signal Processing Methods in Acoustics.
- Acoustics in Medical Research.
- Underwater Acoustic Communication.
- Acoustical Time Series Analysis.
- Nonlinear Methodologies in Acoustics.

### Guest Editors

Dr. Shashidhar Siddagangaiah

Prof. Dr. Rong-Juin Shyu

Prof. Dr. Jui-Hsiang Kao

### Deadline for manuscript submissions

closed (15 June 2025)



## Electronics

an Open Access Journal  
by MDPI

Impact Factor 2.6  
CiteScore 6.1



[mdpi.com/si/220825](https://mdpi.com/si/220825)

*Electronics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[electronics@mdpi.com](mailto:electronics@mdpi.com)

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





# Electronics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 6.1



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



## 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.

---

### Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di  
Torino, 10129 Torino, Italy

---

### Author Benefits

#### High Visibility:

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

#### Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) /  
CiteScore - Q1 (Electrical and Electronic Engineering)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).