



## Machine Learning and Deep Learning in Speech Recognition

Guest Editor:

**Prof. Dr. Ha-Jin Yu**

School of Computer Science,  
College of Engineering, University  
of Seoul, Seoul, Korea

Deadline for manuscript  
submissions:

**closed (20 September 2023)**

### Message from the Guest Editor

Dear Colleagues,

Speech recognition has been researched for more than 50 years, and recently, machine learning methods, especially deep learning, has caused breakthroughs in the field. Technology continues to be improved rapidly at this moment.

Therefore, this Special Issue intends to present new ideas and experimental results in speech recognition and other speech-related engineering technologies, from design, service, and theory to their practical uses.

Areas relevant to speech recognition include, but are not limited to, robust speech recognition in adverse environments; speech enhancement; recognition of speaker, emotion, or health conditions; technology for disordered speech; spoken machine translation; speech embedding; network architecture; and anti-spoofing detection.

This Special Issue will publish high-quality, original research papers and surveys of recent methods.





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**

Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
da Vinci 32, 20133 Milano, Italy

## 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.

## 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), Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

## Contact Us

*Applied Sciences* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[applsci@mdpi.com](mailto:applsci@mdpi.com)  
X@Applsci