



## Machine Learning for Language and Signal Processing

Guest Editors:

### **Prof. Dr. Yuen-Hsien Tseng**

Graduate Institute of Library &  
Information Science, National  
Taiwan Normal University, Taipei  
10617, Taiwan

### **Prof. Dr. Lung-Hao Lee**

Department of Electrical  
Engineering, National Central  
University, Taoyuan 32001,  
Taiwan

### **Prof. Dr. Po-Lei Lee**

Department of Electrical  
Engineering, National Central  
University, Taoyuan 32001,  
Taiwan

Deadline for manuscript  
submissions:

**closed (20 November 2022)**

### **Message from the Guest Editors**

This Special Issue aims to present new ideas, original research results, and practical development experiences from all language and signal research areas, including natural language processing and digital signal processing. Relevant topics for this Special Issue include, but are not limited to, the following:

- Audio and acoustic signal processing;
- Biomedical signal processing;
- Deep learning methods and applications;
- Information retrieval and extraction;
- Language resources and evaluation;
- Multidimensional signal processing
- Multimedia signal processing;
- NLP and DSP applications;
- Phonology, morphology, syntax, and semantics;
- Question-answering, summarization, and machine translation;
- Sentiment analysis, stylistic analysis, and argument mining;
- Signal-processing theories and methods;
- Speech perception, production, and acquisition;
- Speech recognition, synthesis, and generation;
- Spoken language retrieval, translation, and summarization.





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

## Contact Us

---

*Applied Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
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](#)