

## Special Issue

# Advances in Natural Language Processing and Their Applications

### Message from the Guest Editor

In recent years, huge progress has been made in natural language processing. Initially, this progress has been related to the advent of large language models. We must acknowledge that state-of-the-art language processing and understanding systems are almost able to reach a level of performance that is close to humans, at least in some areas and applications. But still, there are lots of problems that require further analysis and investigation. How much data do we need to reach a human-level performance? Do we really need such large amounts of data? We as humans can learn from a much smaller amount of data. How can we guarantee that the model in one language will be adequately transferred to another language? How can text generation systems add emotional content to the text messages in a close-to-human way? These are only a few examples of the questions that require further research and new ideas and solutions. Of course, this is not an exhaustive list of problems that the research community faces in the area of natural language processing.

---

### Guest Editor

Dr. Vytautas Rudžionis

Institute of Social Sciences and Applied Informatics, Vilnius University,  
Muitinės St. 8, LT-44280 Kaunas, Lithuania

---

### Deadline for manuscript submissions

closed (15 January 2025)



## Electronics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 6.1



[mdpi.com/si/209154](https://mdpi.com/si/209154)

*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 guestedited 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).