

Special Issue

Advances in Information Retrieval and Natural Language Processing

Message from the Guest Editors

In recent decades, due to the rapid development of pre-trained model technology, information retrieval (IR) and natural language processing (NLP) have achieved significant improvements in wide areas, such as conversational systems, retrieval, ranking, knowledge acquisition, and representation learning for information extraction. The idea of pre-trained models with self-supervised language modeling is playing a more and more significant role. This Special Issue is intended to collect emerging contributions in the area of IR and NLP with the discussion on advanced technology to integrate and improve each other in terms of theories, models, and applications. The topics of interest for this Special Issue include, but are not limited to:

- Queries and query analysis
- Web search
- Efficiency and scalability
- Document representation and content analysis
- Question answering
- Conversational systems
- Knowledge representation and reasoning
- Interpretability and Analysis of Models for NLP
- Sentence-level Semantics
- Textual Inference
- Other applications and domains

Guest Editors

Dr. Haifeng Sun

School of Computer Science, Beijing University of Posts and Telecommunications, Beijing 100876, China

Dr. Zirui Zhuang

School of Computer Science, Beijing University of Posts and Telecommunications, Beijing 100876, China

Deadline for manuscript submissions

closed (15 December 2023)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/166501

Electronics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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 16.4 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).