

Special Issue

Emerging Trends in Multimodal Human-Computer Interaction

Message from the Guest Editors

Industry 5.0 has highlighted the need for new human-centered practices in human-robot and human-computer interactions. This approach focuses on enhancing people's well-being and promoting social inclusion by adopting technologies that complement human abilities. This digital revolution transforms how we communicate, collaborate, and interact with machines. As a result, recent research has shifted towards developing human-centered methods to ensure that applications of intelligent autonomous systems are trusted, safe, secure, flexible, ethical, and reliable. This Special Issue on Electronics invites submissions on the following topics, among others:

- Trust in human-AI interaction;
- HCI and trustworthy AI;
- Trustworthy large language models (LLMs);
- Trustworthiness of AI-powered applications;
- Transparency and explainability;
- Bias detection and mitigation;
- Privacy and security in HCI;
- Robustness and reliability;
- Ethical AI development;
- Multimodal interactions in HCI;
- Robotics and AI;
- Physiological data preprocessing in HCI;
- Emotion and mood analysis;
- Embodied and wearable computing.

Guest Editors

Dr. Sónia Sousa

Dr. Olga Dunajeva

Prof. Dr. Jüri Majak

Deadline for manuscript submissions

15 December 2025



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/220160

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 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).