Special Issue

Techniques and Applications of Multimodal Data Fusion

Message from the Guest Editors

Multimodal data fusion is a transformative area of artificial intelligence research, dedicated to integrating diverse data modalities—such as visual, auditory, and sensory inputs—into unified frameworks. Advances in machine learning have paved the way for innovative algorithms and methodologies, pushing the boundaries of multimodal representation learning, cross-modal reasoning, and data alignment techniques. This Special Issue provides a platform to explore advanced techniques, theoretical contributions, and diverse applications in multimodal data fusion. Suggested topics include, but are not limited to:

- Advanced algorithms for feature extraction, multimodal representation learning, and cross-modal alignment.
- Scalable, robust fusion techniques for noisy, sparse, high-dimensional data.
- Integration of multimodal fusion in applications.
- New evaluation frameworks for multimodal systems, focusing on robustness, interpretability, and computational efficiency.
- Exploration of fields like social science analytics, human-centric AI, and creative AI through multimodal fusion.

Guest Editors

Dr. Shiyu Hu

Dr. Wenjie Yang

Dr. Zhaorui Zhang

Dr. Shengli Wu

Deadline for manuscript submissions

15 August 2025

Electronics

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).

MDPI