Special Issue

Recent Advances in Deep Learning in Human-Machine Interaction

Message from the Guest Editors

We are pleased to invite you to contribute to this Special Issue of *Electronics* entitled "Recent Advances in Deep Learning in Human–Machine Interaction." As a subset of artificial intelligence, deep learning has significantly transformed the landscape of human–machine interaction (HMI), enabling more intuitive and effective interactions to take place. This Special Issue aims to explore cutting-edge developments in deep learning that enhance, optimize, and redefine these interactions. The focus of this issue will be on how these advanced models and techniques can more accurately interpret human gestures, emotions, and commands, leading to more natural and seamless user experiences. Deep learning in human–machine interaction is rapidly evolving, opening new avenues for research on these technologies and their applications across the healthcare, automotive, entertainment, and education sectors. We seek original research and review articles that not only discuss the theoretical advancements but also demonstrate the practical implementations and societal impacts of these technologies.

Guest Editors

Dr. Zi Wang

Dr. Sen He

Dr. Wei Zhang

Deadline for manuscript submissions

closed (15 July 2025)

Electronics

an Open Access Journal by MDPI

Impact Factor 2.6
CiteScore 6.1

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).