Special Issue

Emerging Trends in Facial Expression Recognition: Applications and Challenges

Message from the Guest Editors

Facial expression recognition (FER) has become a vital research area in computer vision, artificial intelligence (AI), and human–computer interaction due to its wide-ranging applications in fields such as healthcare, security, robotics, and virtual reality. Recent advances in deep learning, neural networks, and multimodal data fusion have significantly improved the accuracy and robustness of FER systems. However, challenges remain in handling variations caused by complex real-world environments, occlusion, privacy concerns, and the need to recognize diverse and subtle emotional expressions across different cultures and contexts. This Special Issue aims to explore the latest developments and emerging trends in FER, addressing both theoretical advancements and practical applications. We seek high-quality original research and review articles that provide novel insights into algorithm development, data augmentation, real-time implementation, and the integration of FER with other AI technologies. This Special Issue will cover a broad range of topics, including multi-modal FER, context-sensitive FER, and privacy-preserving FER systems.

Guest Editors

Dr. Yante Li

Dr. Hanlin Mo

Dr. Qianru Xu

Deadline for manuscript submissions

31 January 2026

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