Special Issue

Deep Learning for Facial Emotion Analysis and Human Activity Recognition

Message from the Guest Editors

This Special Issue aims to explore the advancements and applications of deep learning in facial emotion analysis and human activity recognition, with a focus on their significance in the domains of health, interaction, and security. The scope of this Special Issue includes, but is not limited to, the following topics:

- Deep learning for facial expression recognition;
- Deep learning for facial pain assessment;
- Deep learning-based depression detection;
- Driver fatigue detection using facial emotion analysis;
- Multi-modal fusion for enhanced facial emotion analysis;
- Real-time facial emotion analysis for interactive systems;
- Transfer learning and domain adaptation for facial emotion analysis;
- Facial emotion analysis in virtual reality and augmented reality environments;
- Explainable deep learning models for facial emotion analysis;
- Deep learning for human action recognition;
- Spatiotemporal action localization;
- Action quality assessment;
- Emotion generation.

Guest Editors

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Deadline for manuscript submissions

closed (15 July 2025)

Electronics

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Impact Factor 2.6
CiteScore 6.1

mdpi.com/si/208169

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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.

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