

Special Issue

Advances in Computer Vision and Affective Computing for Emotion Understanding and Interpretation

Message from the Guest Editors

This Special Issue is open to, but not limited to, articles on emotional analysis and elicitation involving:

- VR technologies (standard monitors, head-mounted displays, etc.) to elicit emotions;
- Strategies to design affective virtual environments;
- Face expression recognition/ facial emotion recognition;
- Multimodal experimentations to investigate the conscious/unconscious emotional state after affective stimuli;
- Stress detection;
- Suitability of physiological responses to detect affective and cognitive states (electroencephalographic, cardiac, electrodermal, muscular, etc.);
- Methodologies for assessing emotions based on physiological data, with a particular focus on machine/deep learning techniques;
- Novel theories on emotional representations, based on sound experimentations, besides the acknowledged dimensional (valence, arousal, dominance) and discrete (basic emotions) ones;
- Theories and experiments aimed at investigating the physiological signature of emotional activation.

Guest Editors

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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.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.4 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).

