

Special Issue

Applications of Sensors in Emotion Recognition

Message from the Guest Editors

Emotion Recognition has evolved significantly over the past two decades, driven by advances in Sensor Technologies and Machine Learning. Initially focused on facial expressions and voice analysis, the field now leverages multimodal sensor data—including physiological signals, wearable devices, and environmental sensors—to capture subtle emotional states with higher accuracy. These developments have presented new opportunities in Healthcare, Human–Computer Interaction, and Affective Computing.

The aim of this Special Issue, “Applications of Sensors in Emotion Recognition,” is to showcase cutting-edge research that explores innovative sensor-based approaches for detecting and interpreting emotions. We seek contributions that address challenges such as real-time processing, multimodal fusion, robustness in diverse environments, and ethical considerations in emotion sensing. We invite original research articles, reviews, and case studies on topics including sensor design; data acquisition; signal processing; Machine Learning models; and practical applications in domains like mental health monitoring, adaptive systems, and immersive technologies.

Guest Editors

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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