Special Issue

Emotion Recognition Based on Sensors

Message from the Guest Editors

Affective computing is an emerging field of computer science that plays and will continue to play an increasing role in human–computer interaction. Recognition of user emotions is a fundamental and most viable element of each affective and affect-aware system. In recent years, many approaches to emotion recognition that use different input devices and channels as well as different reasoning algorithms have been proposed and developed. Various sensors, connected to or embedded in computer devices, smartphones, training devices, fitness, health, and everyday use, play a special role in providing input data for such systems. They include, among others, cameras, microphones, depth sensors, biometric sensors, and many more.

This Special Issue is focused on emotion recognition methods based on such sensory data. We are inviting original research work covering novel theories, innovative machine learning methods, and meaningful applications that can potentially lead to significant advances in this field. The goal is to collect a diverse set of articles on emotion recognition that span across a wide range of sensors, data modalities, their fusion, and classification.

Guest Editors

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Deadline for manuscript submissions

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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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