Special Issue

Sensor Applications on Emotion Recognition

Message from the Guest Editors

Human emotions have long been regarded as objects of qualitative expression and cognition. However, research to quantitatively measure emotions through sensor technology and artificial intelligence has only recently seen rapid progress. The recent studies on "emotion recognition" have been actively conducted to quantitatively measure human emotion and utilize it as a context awareness parameter to provide adequate applications in user experience. There has been a paradigm shift from a system that attaches complicated sensors onto the body to an ultralight sensor or a remote sensing method that minimizes the inconvenience to user. An indirect approach to emotion recognition can be also found by analyzing factors that affect emotion in the environment, as well as human behavior and physiological signals. For this Special Issue, research regarding sensor applications on emotion recognition while considering user convenience is welcomed. Of particular interest is research that can break away from traditional sensor technology, and research that instead solves the inconvenience and performance problem of emotion recognition through sensor-based software solutions.

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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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