Special Issue

Computer Vision and Smart Sensors for Human-Computer Interaction

Message from the Guest Editors

The scope of this Special Issue covers fundamental technology used in electronic, mechanical, and electrical engineering. We are particularly interested in sensor techniques, including the applications of human–computer interaction based on computer vision. From a methodological point of view, the focus is on combining classical pattern recognition and deep learning techniques to create new computational paradigms for typical tasks in visual human–machine interactions, such as human pose detection, eye-tracking, and brainwave-controlled systems. On the practical side, we are looking for hardware and software components, used in electronic, mechanical, and electrical engineering. We invite papers focusing on the synthesis and integration of human–machine interfaces, the design of electronic devices, sensing technologies, the evaluation of various performance characteristics, and the exploration of their broad applications to industry, modeling and simulation, stimulation analyses, and so forth.

Guest Editors

Prof. Dr. Chern-Sheng Lin

Dr. Chih-Cheng Chen

Prof. Dr. Tang-Chieh Liu

Deadline for manuscript submissions

closed (10 September 2024)

Sensors

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About the Journal

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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