

Special Issue

Affective and Immersive Human Computer Interaction via Effective Sensor and Sensing (AI-HCIs) II

Message from the Guest Editors

Human-computer interaction (HCI) is crucial for user-friendly interactions between human users and computer systems. HCI is not only requested to provide effective input/output; it is also expected to understand users' intentions and the environment. As a result, new challenges beyond conventional multimodal HCI have arisen, including audio, image, video and graphics. To this end, AI-guided intelligent recognition of speech instructions and visual signs has been widely adopted in HCI. Recently, thanks to emerging sensors and sensing techniques, HCI has been further developed for immersive and affective communication between human users and computer systems. In addition to auditory and visual clues, touch, taste and smell have also been explored in this context. How to effectively use these individual sources of information, and also fuse some of them together for different levels of tasks, still requires exploration. In this Special Issue, we aim to provide a forum for colleagues to report the most up-to-date results of developed models/algorithms/approaches/techniques, as well as comprehensive surveys of the state of the art in relevant fields.

Guest Editors

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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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