

Special Issue

Human-Computer Interaction in Smart Environments

Message from the Guest Editors

The ubiquitous presence of computers and other sensing technology in our daily lives emphasizes the need for smart methods of interaction with human users. Computer sensing may be processed by different devices, such as smartphones, smart speakers, smart vehicles and other smart devices. Human interaction requires handling various types of human input, such as voice, text, gestures, motion, typing, as well as environmental sensing, such as temperature, lighting and noise. The human-computer interaction requires defining human interfaces, the understanding of humans, their goals and preferences, as well as the development of methods for sensor data analysis. Smart environments are composed of sensors and actuators in an instrumented space, generally used for interacting with a human user.

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