

Special Issue

Smart Pervasive Technologies Utilizing Non-Verbal Information

Message from the Guest Editors

Utilizing non-verbal information to advance the development of intelligent pervasive technologies for daily human interactions has emerged as a new focal point. In the domain of non-verbal communication tailored to specific demographics or purposes, research and development activities are burgeoning around physical gestures, facial expressions, eye movements, and other motor behaviors, as well as bodily characteristics, tactile interactions, paralinguage, spatial behaviors, and artifacts. Recently, AI-based pre-trained models for image and sound recognition have emerged, begetting the question of whether traditional data collection and training processes can be entirely streamlined. Moreover, hardware integration, including smart robots, has yet to fully converge with these technologies in the current market. For this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Smart pervasive services with physical gestures;
- Facial expression estimation/Eye movement measurement for smart pervasive services;
- Smart pervasive services based on tactile interactions;
- Smart pervasive services using paralinguage.

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Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

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