Special Issue

Assistive Robots for Healthcare and Human-Robot Interaction: 3rd Edition

Message from the Guest Editors

Assistive technologies such as Assistive Robots (ARs) could support the process of care giving, potentially enhancing patient well-being and decreasing the workload of caregivers. However, research concerning person-centered care, multimodal interaction, multimodal data collection, and caregiver expectancy models must be performed in order to improve the acceptability of ARs. As such, the field of Human–Robot Interaction (HRI) is devoted to understanding, designing, and assessing the robotic systems utilized by human beings. Sensing technologies play a key role in HRI, novel approaches or the application of existing techniques in a novel way may lead to advances in this and related fields. This Special Issue welcomes the submission of articles that address concerns regarding the modalities needed to sense the emotional state of people by robots, and those related to modelling the interaction between humans and robots at both the haptic and emotional level.

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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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