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Assistive Robots for Healthcare and Human-Robot Interaction

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Message from the Guest Editors

Assistive technologies like Assistive Robots (AR) are being considered as enablers to support the process of care giving, potentially enhancing patient well-being and decreasing caregiver workload. Currently, it needs to deepen the research about person-centered care, multimodal interaction, multimodal data collection, caregiver expectancy model to improve AR acceptability.

In light of these assumptions, the Human-Robot Interaction (HRI) field is devoted to understanding, designing, and assessing the robotic systems used by human being.

The central focus of this Special Issues will be to advance novel technologies applied in healthcare processes that have shown exceptional promise in models of HRI though the use of new sensors or methodologies capable to adapt, combine or improve the existing ones.

The first important question concerns the modalities needed to sense the emotional state of people by the robot. Secondly, there is the problem of modelling the interaction between human and robot, not only on a haptic level, but also on an emotional level.



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Special Issue



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Message from the Editor-in-Chief

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