Special Issue

Challenges in Human-Robot Interactions for Social Robotics

Message from the Guest Editors

This Special Issue focuses on human–robot interactions in social robotics. Nowadays, interactions with computational devices are ubiquitous in daily life, and the lessons acquired have helped design our interactions with robots. We must improve the effectiveness of the interactions between humans and robots to learn about humans in their social environment. Moreover, existing technologies in social robotics affect how humans interact with these robots. Novel technologies and applications endow robots and humans with new ways to interact that will potentially improve human–robot interactions. Robots complying with social norms, the challenges in developing interfaces to interact with social robots, the dynamics of human perception, novel interaction capabilities, sustainability, closing the technological gap between humans and robots, the design of the robots considering their purpose within the interaction, and the future of social robots are just a few examples of themes this Special Issue aims to cover.

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