

Special Issue

Smart Human-Robot Interaction

Message from the Guest Editors

Robots are necessary to substitute humans in implementing dangerous missions or in heavy and repetitive work. Further examples include the support of specialized robots to conduct remote medical operations when the presence of specialized doctors at the surgery site is not possible. Moreover, robots develop into social companions as they start to play an integral role in everyday life for older adults. They can provide aid in learning processes as well as monitor the state of individuals' health and well-being, ensuring safety. Therefore, it is crucial to develop human-robot interaction (HRI) paradigms to help design robots for human benefits within users' natural environments. We need to study HRI from people's perspectives, considering cooperation with cyber-physical systems, orientation in the environment, awareness of the context of use, conditions, attitudes of people or individuals' attitudes, behaviors, habits, and emotions. This Special Issue welcomes a broad spectrum of research contributions, the results will form the basis for intelligent, positive interactions between humans and robots.

Guest Editors

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