AI Technologies for Collaborative and Service Robots

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Message from the Guest Editors

Nowadays, new technologies are improving safe human-robot interactions, and robots are becoming increasingly common both inside and outside of industrial scenarios. Not only are collaborative robots improving production plants by shifting the paradigm of industrial robotics from servant devices to intelligent coworkers, but also service, surgical, and rehabilitation robotics are becoming more and more significant, both from a technological and economic point of view, but also for their social implications. In this context, new intelligent technologies are required for controlling robots in unpredictable and cluttered environments. Moreover, for collaborative and service robots to be effective, they need to become more intelligent, adaptable, and capable of predicting human behaviors in human-centered environments.

For these reasons, we are pleased to invite you to submit a paper for a Special Issue titled "AI Technologies for Collaborative and Service Robots". This Special Issue aims to provide an opportunity for researchers to publish technological studies and advancements addressing the design and development of applications for collaborative and service robots.

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Special Issue

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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