Special Issue

Rehabilitation and Assistive Robotics: Latest Advances and Prospects

Message from the Guest Editor

Assistive robotics refers to robots that help people with physical disabilities through physical interaction. They can provide perception abilities and perform actions that can be beneficial for the elderly or physically challenged people. Socially assistive robotics (SAR) arises from the intersection between assistive robotics and socially interactive robotics. This category includes robots that provide assistance through social interaction. In this case, their success stems from the emotional bonds that are created between the human user and the robot, for example, by improving motivation to maintain a rehabilitation treatment. This Special Issue will cover recent research in the field of rehabilitation as well as on assistive robotics and social assistive robots.

- Socially assistive robots for children;
- Assistive robots for the elderly;
- Wearable robotics;
- Effective human–robot interaction;
- Robotic solutions that support caregivers;
- Ethical implications of assistive/social assistive robotics;
- Quantitative user studies.

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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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