Rehabilitation and Assistive Robotics: Latest Advances and Prospects

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

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.

Dr. Antonio Bandera
Guest Editor

Special Issue

Editor-in-Chief

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Message from the Editor-in-Chief

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