

Special Issue

Human-Robot Physical Interaction

Message from the Guest Editors

The aim of this special issue is to identify high quality papers dealing with such arising challenges and direction of industrial robotics, taking into account human-centered solutions capable to actively assist operators while learning their behaviors. Contributions related (but not limited) to the following topics are welcome:

- human-robot physical interaction;
- collaborative controllers;
- intelligent control;
- task learning;
- safety-based control algorithms;
- collaborative robots and exoskeleton design and control;
- AI and ML applied to robot control and learning;
- AR/VR for industrial plants;
- human's knowledge transfer to robotic platforms;
- intelligent motion planning;
- optimization of industrial robotic solutions;
- advanced safety;
- natural human-robot interaction;
- human's intention recognition;
- mobile collaborative robotics.

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Guest Editors

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Deadline for manuscript submissions

closed (10 April 2022)



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About the Journal

Message from the Editor-in-Chief

It is my great pleasure to welcome you to our open access journal, *Robotics*, which is dedicated to both the foundations of artificial intelligence, bio-mechanics and mechatronics, and the real-world applications of robotic perception, cognition and actions. The 21st century is the robotics century and intelligent robots will change our lifestyle forever. Let us work together toward the realization of intelligent robots step by step. It is great fun to create intelligent robots and imagine their practical applications. *Robotics* is now ready to serve you in the long journey towards such a goal.

Editor-in-Chief

Prof. Dr. Marco Ceccarelli

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