

Special Issue

Human–Robot Collaboration in Industry 5.0

Message from the Guest Editor

Dear colleagues, Industry is moving towards new models of human–machine interaction, where workers are put at the center of an ecosystem that supports them in achieving both productivity and wellbeing, rather than being overwhelmed by technology. In this framework, called Industry 5.0, the new generation of robots must be able to truly collaborate with workers, thanks to safe, natural, and ultimately ethical interactions. We are pleased to invite you to submit an article to this Special Issue, which is aimed at promoting actual developments in human–robot collaboration (HRC) and their main applications in industrial settings, where safety, trust, but also efficiency have paramount importance. The Special Issue aims to collect relevant contributions about key topics in HRC, including but not limited to the following: safe shared-space interaction, learning by demonstration, natural language-based control, behavior programming and adaptation, affective computing, HRC experience evaluation, ethics in AI, edge computing, and HRC applications.

Guest Editor

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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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