Special Issue

Human Collaborative Robotic Systems

Message from the Guest Editors

Robotic systems are intelligent systems that carry out five main functions, namely (1) power generation, (2) control/management, (3) actuation, (4) body, (5) sensing. These functions can be intelligent, depending on the physical units developed for them. There is an application scenario in which robots and humans work together. This Special Issue considers this scenario, which involves the introduction of human collaborative robotic systems. This Special Issue seeks papers that address the aforementioned issues as well as related issues, e.g., how a mechatronic system can detect an accident or crash involving humans or how a mechatronic system can devise an optimal plan to change its cooperative behavior. It should be noted that the scope is not restricted to one human operator and one mechatronic system only but a group of them, perhaps in the physical–cybernetic setting.

Guest Editors

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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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