Special Issue

Collaborative Robotics in the 21st Century

Message from the Guest Editors

The development of innovative industrial manipulators has been supported by advancements in sensors and force control systems. As a result, manipulators can coexist and interact with operators, machinery, and products in a completely new way, allowing people to re-imagine the production space and manufacturing processes. This approach maximizes the speed and precision capabilities of manipulators with human reasoning and planning capabilities. In industry, cobots are being used as tireless work assistants, and it is necessary to maximize operators' safety and productivity. Cobots' inherent flexibility allow them to be extensively deployed in small- and medium-sized industries, introducing new market niches and applications. Therefore, this Special Issue aims to gather original research and review articles on advances, technologies, applications, and new challenges in the study of collaborative robotics to address safer and more flexible, efficient, and dexterous tasks. For detailed information, please visit here.

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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