

Special Issue

Advanced Robotic Manipulators and Control Applications

Message from the Guest Editors

This Special Issue aims to address several research areas, including advanced robot design, system dynamics, intelligent perception and decision-making, and robot control, by considering these areas. Through the promotion of interdisciplinary collaboration and the exchange of knowledge, our goal is to expedite the adoption of advanced robotics solutions across various fields. This involves a detailed exploration of case studies that highlight the latest advancements in robotics and their applications for control. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Robot design and kinematics
- Motion control strategies
- Multi-agent collaborative control
- Reinforcement learning for robotics
- Robot vision and perception
- Simultaneous localization and mapping (SLAM)
- Robot motion planning and navigation
- Learning-based control and its application in robots
- Cyber-physical systems
- Rehabilitation robots, prosthetics, and exoskeleton robots
- Medical and surgical robots, biomimetic robots
- Robot perception and environmental adaptability
- Human-machine interaction and collaboration

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Message from the Editor-in-Chief

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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