

Special Issue

Sensors and Robot Control

Message from the Guest Editors

Since the robot sensor is a key component of the robot, the last decade has led to a serious step forward regarding the development of robot sensors for robot control, autonomous robots, robot perception, and human–robot interaction. Robot sensor design and analysis continues to be a challenging task, which is also related to other hot topics such as sensor materials, structure design, manufacturing processes and so on. The research on robot control covers a wide range of applications, including mechanical systems, industrial robots, autonomous systems, medical and rehabilitation robotics. For these applications, the dynamic environments are usually changing, and the control systems should adapt themselves accordingly. Therefore, by employing intelligent approaches, advanced control systems have been developed. With this regard, more efforts should be focused on the methodology of learning systems. This SI is to share latest theoretical and technological results and discuss several issues for the research directions in the field of advanced sensors and robot control systems.

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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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