



sensors



an Open Access Journal by MDPI

Smart Sensor-Based Robot Control and Calibration

Guest Editors:

Prof. Dr. Alexandr Klimchik

Institute of Robotics and
Computer Vision, Innopolis
University, Innopolis, Russia

Prof. Dr. Igor Gaponov

Institute of Robotics and
Computer Vision, Innopolis
University, Innopolis, Russia

Deadline for manuscript
submissions:

closed (15 June 2022)

Message from the Guest Editors

Sensor-based control of different robotics systems is one of the main challenges of modern robotics, pushing us to develop intelligent robots which work, move, and interact with us. Contemporary robots are being equipped with new sophisticated sensors, measuring information about the world both directly and indirectly. In addition, readily available, redundant sensor information may provide us with additional information on the robot's state and behavior. This offers robots huge potential for further enhancement of their intelligent control systems and parameter calibration using both classical and AI-based approaches. This Special Issue will highlight state-of-the-art sensor technology in applications to the area of “Smart Sensor-Based Robot Control and Calibration” through original contributions and reviews.

For further reading, please follow the link to the Special Issue Website at:
https://www.mdpi.com/journal/sensors/special_issues/robot_co



[mdpi.com/si/92348](https://www.mdpi.com/si/92348)

Special Issue



sensors



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

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.

Author Benefits

Open Access : free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Ei Compendex](#), [Inspec](#), [Astrophysics Data System](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Chemistry, Analytical*) / CiteScore - Q1 (Instrumentation)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)