



sensors



an Open Access Journal by MDPI

Advanced Sensor Modules for ISO/IEC Compliant Emerging Robots

Guest Editors:

Dr. Donghan Kim

Prof. Dr. Gurvinder Singh Virk

Prof. Dr. Soon-Geul Lee

Dr. Canjun Yang

Message from the Guest Editors

In this Special Issue, papers focus on the emerging regulations and the development and integration of new sensors, sensor systems and sensor modules to be used in new scenarios for the robots to be able to achieve the design goals. Practical experimental results are particularly encouraged, as are papers setting advances in the wider context of international standards.

Keywords:

- Robot Performance Measuring Sensor and Sensor System
- Sensory issues related to Robotic Safety
- International Standards
 - Robot Terminology and Characteristics
 - Service Robot Safety
 - Medical Robot Safety and Essential Performance
 - Collaborative Industrial Robot Safety
 - Performance of Service Robot
 - Modularity for Robotics
- Sensors, Sensor Systems and Sensor Modules
- Service robot applications
- ISO and IEC requirements
- Safety-related situations
- Security-related situations
- Performance assessment
- Inter-operability

Deadline for manuscript submissions:

closed (20 May 2022)



mdpi.com/si/79782

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](#)