

## Special Issue

# Sensing, Perception, and Navigation in Space Robotics

### Message from the Guest Editor

Space robotics plays a key role in space exploration. One fundamental component of a space robot is sensing of the environment, whether orbital, planetary, or of a small body. This Special Issue is focused on robot **sensing**, as well as on **perception**, in the sense of extracting information and knowledge from sensor data and on **navigation**, in the sense of estimating the robot pose in the environment in order to predict its motion and to determine where to go. We invite high-quality, new, and unpublished contributions on any topics focused on sensing, perception, and navigation in space robotics, encompassing both the orbital and planetary environments.

For more information, please click: [mdpi.com/si/52967](https://mdpi.com/si/52967).

---

### Guest Editor

Prof. Dr. Rodrigo Ventura

Institute for Systems and Robotics, Instituto Superior Técnico, 1049-001 Lisbon, Portugal

---

### Deadline for manuscript submissions

closed (30 June 2021)



## Sensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.5  
CiteScore 8.2  
Indexed in PubMed



[mdpi.com/si/52967](https://mdpi.com/si/52967)

*Sensors*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sensors@mdpi.com](mailto:sensors@mdpi.com)

[mdpi.com/journal/  
sensors](https://mdpi.com/journal/sensors)





# Sensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.5  
CiteScore 8.2  
Indexed in PubMed



[mdpi.com/journal/  
sensors](https://mdpi.com/journal/sensors)



## About the Journal

### 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.

---

### Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 Bari, Italy

---

### 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 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)