

Special Issue

Cooperative Sensing for Environmental Applications: From Sensor Networks to Multi-Robot Teams

Message from the Guest Editors

This Special Issue welcomes original research articles, theoretical innovations, reviews, and applications to a relevant environmental field, such as forestry and agriculture, wildfire management, ocean observation, polar exploration, or search and rescue (SAR) and disaster response to natural hazards such as floods, radioactive environments, landslides, or avalanches. The range of applications extends to the general exploration of planetary bodies and space robotics. Topics of interest include but are not limited to the following:

- Resilient sensor networks;
- Multi-robot systems;
- Cooperative algorithms;
- Network optimization;
- Sensor fusion;
- Robot autonomy;
- Perception;
- Estimation;
- Planning and trajectory optimization;
- Detection, localization, and tracking;
- Simultaneous localization and mapping (SLAM);
- (Collaborative) situational awareness.

Guest Editors

Ms. Maria João Sousa

IDMEC, Instituto Superior Técnico, Universidade de Lisboa, Lisboa, Portugal

Dr. Alexandra Moutinho

IDMEC, Instituto Superior Técnico, Universidade de Lisboa, Lisboa, Portugal

Deadline for manuscript submissions

closed (31 December 2021)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/71676

Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

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

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