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

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

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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.



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Special Issue



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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

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Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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