

Topical Collection

Robotic and Sensor Technologies in Environmental Exploration and Monitoring

Message from the Collection Editors

Create a highly transdisciplinary discussion forum among scientists and engineers on robotic and sensor technologies for the autonomous exploration, environmental monitoring, and in cursive manipulation of terrestrial and marine ecosystems. Applications can be presented in relation to different platform designs (including the biomimicking ones), energy systems (e.g., fuel cells), and navigation and data collection procedures (including storage, transmission, communication, and virtual-control interfaces). Fields of relevance can be the surveillance of maritime industrial activities, precision agriculture developments, exploration and assessment of marine and terrestrial georesources, exo-oceans exploration, and the spatiotemporally intensive measurements of ecosystems and their biodiversity or services (e.g., in cursive biological sampling and fishery-independent stock assessment). Technologies for marine litter and microplastics quantification and removal are welcome. New sensor technologies of already existing ones (e.g., LiDAR, multispectral, and optoacoustic imaging) will be judged as interesting. Special preference will be given to new ecogenomic sensor applications.

Collection Editors

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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

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