

Special Issue

Environmental Sensor Networks: Applications, Recent Advances and Challenges

Message from the Guest Editor

Environmental sensor networks (ESNs) are an integral part of businesses, communities and government services worldwide. Data collected from ESNs support better management in agriculture, aquaculture, tourism, mining, logistics, traffic, public health and biosecurity, space weather, etc. Data from ESNs not only provide situation awareness but also necessary input for better forecasting. The aim of this Special Issue is to collect original research papers or review articles in the forefront of knowledge in the area, and to be the main source of references about the state-of-the-art in environmental sensor networks. **Keywords:**

- Environmental sensor networks (ESN)
- Best practices in the deployment of ESN
- Observing systems
- Sensor-model integration
- ESN and robots
- Mobile platforms
- Applications on Earth and in space
- Data formats, metadata and repositories
- Quality assurance and quality control (QA/QC)
- Management of uncertainties in ESN
- Design of environmental sensor networks
- Observing systems
- New technologies for the visualisation of ESN data
- ESN as IoT assets
- Current trends, challenges and reviews

Guest Editor

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Deadline for manuscript submissions

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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.

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