

Special Issue

Energy Harvesting Communication and Computing Systems

Message from the Guest Editor

Remote and unattended sensors require that computation and communication be performed without human intervention to replace batteries, and without a connection to the mains power source. Thus, there is a strong motivation to overcome the energy limitations of conventional systems by relying on energy harvesting. This can occur by continuously extracting energy from a renewable energy source present in the surrounding environment, and by storing it for future use. Multiple sources of energy can be exploited, such as solar power, wind, mechanical vibrations, temperature variations, etc. Research around energy harvesting (EH) sensors comprises various models and techniques, software as well as hardware ranging from, but not limited to, techniques of energy harvesting, power management, harvesting-aware scheduling, harvesting-aware communication protocols, prediction models, etc. We invite manuscripts for this forthcoming Special Issue in all aspects pertinent to energy autonomous computing/communication systems. Both survey and original research articles are welcome. We look forward to and welcome your participation in this Special Issue.

Guest Editor

Prof. Dr. Maryline Chetto

Département Qualité, Logistique Industrielle et Organisation, Nantes
Université, Ecole Centrale Nantes, CNRS, LS2N, UMR 6004, F-44000
Nantes, France

Deadline for manuscript submissions

closed (31 March 2022)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/59677

Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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

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)