



Lifetime Extension Framework for Wireless Sensor Networks

Guest Editors:

Dr. Konstantinos Oikonomou

Department of Informatics,
Faculty of Information Science
and Informatics, Ionian
University, Corfu, Greece

okon@ionio.gr

Dr. Constantinos Angelis

Department of Informatics &
Telecommunications, Faculty of
Informatics &
Telecommunications, University
of Ioannina, Arta, Greece

kangelis@uoi.gr

Dr. Georgios Tsoumanis

Department of Informatics &
Telecommunications, Faculty of
Informatics &
Telecommunications, University
of Ioannina, Arta, Greece

gtsoum@uoi.gr

Deadline for manuscript
submissions:

30 March 2022

Message from the Guest Editors

Dear Colleagues,

Over the past decades, wireless sensor networks (WSNs) have experienced exceptional growth, their success reflecting their continuously increasing areas of application (e.g., area monitoring, environmental sensing, threat detection, etc.). Besides, the integration of WSNs in the IoT allows the latter to penetrate deeply into our daily lives and provide various convenient services enabling users to access, use, and process information collected from sensors through smart devices.

As a result of the limitations deriving from the low-capacity batteries, the lifetime of a WSN is inextricably linked to them. Thus, the framework underlying the devices' energy usage plays a vital role in the network's overall energy consumption and lifetime. For example, minimizing the number of packet transmissions among the WSN nodes or choosing a better location for the sink node can result in a lifetime extension.

This Special Issue invites original research papers on new frameworks, algorithms, protocols, architectures, technologies, and solutions for extending the lifetime of a WSN (or RWSN).





sensors



an Open Access Journal by MDPI

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

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.

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](#), [Embase](#), [Ei Compendex](#), [Inspec](#), and many other databases.

Journal Rank: [JCR - Q1](#) (*Instruments & Instrumentation*) / [CiteScore - Q1](#) (*Instrumentation*)

Contact Us

Sensors
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
[@Sensors_MDPI](https://twitter.com/Sensors_MDPI)