Special Issue

Efficient Wireless Temperature Sensors

Message from the Guest Editors

Wireless temperature sensors are characterized by remote query capability, essential in situations where wired connections are impossible. They have shown enormous potential in status monitoring of both industrial devices and biological health, environment probing and human–machine interactions. Recent advances in new materials, signal wireless transmission mechanisms and optimized sensing structures have increased the efficiency of wireless temperature sensors related to multiple-parameter detections, longer interrogating distance and higher signal-to-noise ratio. Potential topics include, but are not limited to:

- Novel structure designs, material fabrication and modeling of wireless temperature sensors;
- Efficient signal transmission mechanism with high sensitivity, resolution, etc.;
- Related sensor signal processing circuits;
- Multiple-node detections in multiple application scenarios.

For detailed information, please visit here.

Guest Editors

Dr. Lei Dong
Key Laboratory of MEMS of the Ministry of Education, Southeast University, Nanjing 210096, China

Dr. Lifeng Wang
Key Laboratory of MEMS of the Ministry of Education, School of Electronic Science & Engineering, Southeast University, Nanjing 210096, China

Prof. Dr. Ning Xue
Lingang Laboratory, Shanghai 200031, China

Deadline for manuscript submissions

closed (30 April 2024)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/182584

Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

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

MDPI

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)