



*sensors*



an Open Access Journal by MDPI

## Emerging Advances in Wireless Positioning and Location-Based Services

Guest Editors:

**Dr. Xi Chen**

Aerospace Information  
Technology Research Institute of  
Aeronautics and Astronautics,  
Tsinghua University, Shuangqing  
Rd, Haidian District, Beijing  
100190, China

**Prof. Dr. Xingxing Li**

School of Geodesy and  
Geomatics, Wuhan University,  
Wuhan 430079, China

Deadline for manuscript  
submissions:

**15 December 2024**

### Message from the Guest Editors

Dear Colleagues,

In recent years, there has been significant and swift progress in the development of intelligent artifacts such as robots, UAVs, and autonomous cars. These intelligent artifacts heavily depend on positioning, navigation, and timing (PNT) information. Although GNSS-based satellite positioning remains dominant, there are several emerging technologies that show great promise for enhancing accuracy and reliability, such as integrated satellite positioning in low-Earth-orbit satellite communication megaconstellations, signal-of-opportunity positioning, and cooperative positioning. This Special Issue focuses on highlighting the recent advancements in wireless positioning, multi-sensor fusion, location-based services, and other location sensors, aiming to provide improved precision and reliability for various applications.

Dr. Xi Chen

Prof. Dr. Xingxing Li

*Guest Editors*



[mdpi.com/si/193188](https://mdpi.com/si/193188)

# Special Issue



# 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](#), [Ei Compendex](#), [Inspec](#), [Astrophysics Data System](#), and [other databases](#).

**Journal Rank**: JCR - Q2 (*Instruments & Instrumentation*) / CiteScore - Q1 (*Instrumentation*)

## Contact Us

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

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sensors](http://mdpi.com/journal/sensors)  
[sensors@mdpi.com](mailto:sensors@mdpi.com)  
[X@Sensors\\_MDPI](#)