



an Open Access Journal by MDPI

# **Sensors Localization in Indoor Wireless Networks**

Guest Editors:

#### Dr. Paul Honeine

LITIS Lab, Université de Rouen Normandie, 76000 Rouen, France

#### Dr. Farah Mourad-Chehade

LIST3N-Laboratoire d'Informatique et Société Numérique, Université de Technologie de Troyes (UTT), 10004 Troyes, France

Deadline for manuscript submissions: closed (13 July 2020)



**Message from the Guest Editors** 

Dear Colleagues,

Wireless Sensor Networks (WSNs) have shown high potential for various applications in the environmental, military, civil, biomedical, industrial, and other fields. Many of these applications are location-based, leading to an increasing demand for accurate localization algorithms. While localization in outdoor environments mainly uses GPS signals (or, more generally, a global navigation satellite system GNSS), indoor localization is very challenging under noise, non-stationnarity, cost, and energy constraints.

This Special Issue aims to highlight advances in all aspects of indoor sensors localization and, more genreally, of GNSS-free localization. Up-to-date reviews and original works are both accepted in this issue. Topics include, but are not limited to:

- Range-based indoor localization
- Range-free indoor localization
- Ranging technologies
- Griding- or zoning-based localization
- Target tracking and sequential localization
- Sensors deployement for coverage and accuracy optimization

**OCLAS**sue

- Machine learning algorithms
- Evidential computations
- Collaborative signal processing for localization
- Adaptive algorithms for localization
- Applications





an Open Access Journal by MDPI

### **Editor-in-Chief**

### Message from the 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

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 and Instrumentation) / CiteScore - Q1 (Instrumentation)

### **Contact Us**

Sensors Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/sensors sensors@mdpi.com X@Sensors\_MDPI