



Sensors Localization in Indoor Wireless Networks

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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 deployment for coverage and accuracy optimization
- Machine learning algorithms
- Evidential computations
- Collaborative signal processing for localization
- Adaptive algorithms for localization
- Applications





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