Special Issue

Indoor Positioning with Wireless Local Area Networks (WLAN)

Message from the Guest Editor

Topics of interest include, but are not limited to, the following areas:

- Positioning technologies: RSS, TOA, TDOA, AOA, RTT, fingerprinting
- Tracking methods: Bayesian approaches, Kalman filters, particle filters
- Sensor fusion: inertial sensors, magnetometer, barometer, etc.
- Hybrid positioning solutions
- Complementing 5G positioning with WLAN-based systems
- Crowdsourcing methods for collecting fingerprints
- Simultaneous Localization and Mapping (SLAM)
- Fingerprint database compression
- Machine learning for WLAN-based positioning
- WLAN channel modeling for positioning
- WLAN channel measurements for positioning
- Seamless outdoor-to-indoor transition (e.g. from GNSS to WLAN)
- Floor detection methods
- 3D-positioning
- Optimal network configuration and access point deployment for positioning
- Location-based services
- Security aspects of WLAN-based positioning

Guest Editor

Dr. Jukka Talvitie

Department of Electrical Engineering, Tampere University, Tampere, Finland

Deadline for manuscript submissions

closed (31 May 2022)

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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

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