



IEEE Topical Conference on Wireless Sensors and Sensor Networks

17–20 January 2027 – Grand Hyatt Tampa Bay – Tampa, FL, USA



IEEE



MTT-S
IEEE MICROWAVE THEORY &
TECHNOLOGY SOCIETY

Part of
Radio and Wireless Week **RWW**

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Call For Papers

The 2027 IEEE Topical Conference on Wireless Sensors and Sensor Networks (WiSNet 2027) will be a part of 2027 IEEE Radio and Wireless Week (RWW 2027), which will be held during the week of 17–20 January 2027 at the Grand Hyatt Tampa Bay – Tampa, FL, USA. RWW 2027 will also feature:

- IEEE Radio and Wireless Symposium (RWS)
- IEEE Topical Meeting on Silicon Monolithic Integrated Circuits in RF Systems (SiRF)
- IEEE Topical Conference on RF/Microwave Power Amplifiers for Radio and Wireless Applications (PAWR)
- IEEE Space Hardware and Radio Conference (SHaRC)
- Workshops, Special Sessions, Short Courses

Each of these events will be organized separately, with their own call for papers found at www.radiowirelessweek.org.

Wireless sensors and wireless sensor networks (WiSNet) are crucial components for manufacturing, structural health, security monitoring, environmental monitoring, smart agriculture, transportation, commercial applications, localization, tracking systems and other important and emerging applications. WiSNet is intended to stimulate discussion and foster innovation on these components and applications.

Papers featuring innovative work are solicited in (but not limited to) the following areas:

- Wireless Sensors for Communication, Radar, Positioning and Imaging Applications
- Wireless Sensors for Localization and Tracking
- Wireless Integrated Sensors, Front-Ends and Building Blocks
- Wireless Sensors for Harsh Environments, Environmental, Health, Home and Commercial Applications
- Wireless Sensors Networks, Smart Sensor Systems, and Autonomous Networking
- RFID Sensors and Sensor Tags
- Sensor Networks for Sensor Network Topologies and Sensor Network Communication Architecture
- Coexistence, Synchronization and Scheduling in Hybrid and Social Networks
- Cryptography, Security, Privacy Issues in Ad-Hoc, Sensor and Mesh Networks
- Six-Port and Multi-Port Technology
- Internet of Things Hardware, Protocols and Applications
- Wireless Sensors Applications in Wearable Computing and Body Area Nets
- QoS Aware Design: Energy Optimization and Deployment Techniques, Large, Dense and Dynamic Network Topologies

Paper submission instructions can be found at www.radiowirelessweek.org. Submissions should be formatted according to the submission review template available on the RWW website. Authors should indicate preference for oral or poster presentation. All submissions must be received by **22 July 2026**. All accepted papers will be published in a digest and presented papers will be included in the IEEE Xplore® Digital Library. Submissions will be evaluated based on novelty, significance of the work, technical content, interest to the audience, and quality of writing.