IEEE Topical Conference on Wireless Sensors and Sensor Networks

18–21 January 2026 – Loews Hollywood Hotel – Los Angeles, CA, USA

IEEE MTT-S IEEE MICROWAVE THEORY & TECHNOLOGY SOCIETY

Part of Radio and Wireless Week RWW

Steering Committee

General Chair
Václav Valenta,
European Space Agency

General Co-Chair
Roberto Gomez-Garcia,
University of Alcala

Technical Program Chair
Markus Gardill,
Brandenburg University of Technology

Finance Chair
Jasmin Grosinger,
Graz University of Technology

PAWR Co-Chairs
Gregor Lasser,
Chalmers University
Anna Piacibello,
Politecnico di Torino

WiSNet Co-Chairs
Paolo Mezzanotte,
University of Perugia
Fabian Lurz,
Magdeburg University

SiRF General Chair
Ickhyun Song,
Hanyang University

SHaRC Co-Chairs
Jan Budroweit,
German Aerospace Center
Eduardo Rojas,
Embry-Riddle Aeronautical University

Executive Committee Chair
Robert Caverly,
Villanova University

Conference Management
Elsie Vega, *IEEE*

Call For Papers

The 2026 IEEE Topical Conference on Wireless Sensors and Sensor Networks (WiSNet 2026) will be a part of 2026 IEEE Radio and Wireless Week (RWW 2026), which will be held during the week of 18–21 January 2026 at the Loews Hollywood Hotel – Los Angeles, CA, USA. RWW 2026 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 **23 July 2025**. 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.