



IEEE Topical Conference on RF/Microwave Power Amplifiers for Radio and Wireless Applications

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



IEEE



MTT-S
IEEE MICROWAVE THEORY &
TECHNOLOGY SOCIETY

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Call For Papers

The 2027 IEEE Topical Conference on RF/Microwave Power Amplifiers for Radio and Wireless Applications (PAWR 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 Wireless Sensors and Sensor Networks (WiSNet)
- 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.

Power amplifiers for radio and wireless applications (PAWR) are often the most critical component of RF/microwave communications systems and consequently the focus of intense research to achieve increased linearity and power efficiency. New forms of power amplification are being developed to meet the needs for wireless communication, instrumentation, and sensing satisfying the world's demand for sustainable interconnectivity. PAWR 2027 will feature tracks on RF/microwave Power Amplifiers.

Papers featuring innovative work are solicited in (but not limited to) the following areas of RF/microwave power amplifier technology:

- High Power/Wideband Active Devices
- Power Amplifiers for Mobile, Avionics and Space
- Modeling and Characterization
- Advanced Circuit Design and Topologies
- Green Power Amplifier Technologies
- Integration Technologies
- Packaging and Reliability
- Linearization and Efficiency Enhancement Techniques
- Applications, Novel Architectures and System Analysis

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.