IEEE Wireless and Microwave Technology Conference

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WAMICON 2025
April 14th and 15th 2025
Hilton Cocoa Beach
Cocoa Beach, Florida

The annual IEEE Wireless and Microwave Technology Conference (WAMICON 2025) plans an engaging program in Cocoa Beach, Florida on April 14th and 15th 2025. WAMICON 2025 will address multidisciplinary research and technology trends in RF, Microwaves, and Wireless Communications. The program includes both oral and poster presentations, as well as, tutorials and special sessions. Cocoa Beach provides a convenient location to the Melbourne International Airport (MLB), Orlando International Airport (MCO), and the East Coast of Florida. We invite prospective authors to submit original and high-quality work for presentation at WAMICON 2025 and publication in IEEE Xplore. The conference website is www.ieeewamicon.org.

TOPICS OF INTEREST

The central theme of WAMICON 2025 is "Integrated Innovations: Merging Software, Circuits, and Antennas for Next-Generation Interconnected Systems". We welcome submissions on all aspects of RF, Microwave, Mm-wave Devices and Systems along with hardware and software technologies enabling next-generation, intelligent, integrated communications and sensing:

Power Amplifiers (PAs), Active Components, and Systems
High-Efficiency & Novel PAs, Linearization and Efficiency Enhancement Techniques, High-Power Devices, Linear/Nonlinear Device Modeling, Transceiver Design, Multi-Band and Digital RF Circuits and Systems, System-On-Chip/Package, Radar RF/MMIC Electronics, Active Filters, Reliability/Thermal Considerations, Wide Bandgap Semiconductors and Epitaxial Material Impacts.

Passive Components and Antennas
Filters, Transmission Line Components, Advanced Packaging, Antennas and Arrays, Novel Beam-Steering Techniques, Metamaterials, Metasurfaces, Frequency Selective Surfaces, Non-Foster Impedance Matching, Rectifiers

mm-Wave to THz Technologies
5G/6G Communications, Backhaul, MIMO and Massive MIMO, Beamforming, Human Body Scanners, Radar, SatCom, Vehicle-to-Everything (V2x), Home/Office Application, Tactical Networks/Data Links, mm-wave Packaging, MEMS, and Integrated Circuits.

Space & Emerging Applications
CubeSats, SmallSats, FlatSats, Remote Sensors, Internet of Space, ASICS & Digital Back Ends, Optical Communications, Machine Learning, Spaceflight Qualification of Wireless Devices and Systems, Biomedical, Energy Harvesting, Wireless Power Transfer, Additive Manufacturing, Aerospace Applications of RF Circuits and System, Space Vehicle Com.

Internet of Everything (IoE) & Machine Learning
Automotive Systems, Health and Medical Sensors, Machine-to-Machine (M2M), Bluetooth Low Energy (BLE), Light Fidelity (Li-Fi), Near-Field Communication (NFC), RFID, Zigbee, Low-Power Wide-Area Network (LPWAN), Active Denial, Cognitive Radios and Software Defined Radios, Spectrum Management, Wireless Security, AI for RF and Systems, ML applications for RF and Microwave Devices and Systems.

PAPER SUBMISSION INSTRUCTIONS

Authors are asked to submit papers electronically in .PDF format. In order to be considered for publication by the Technical Program Committee, a submission of 3-4 pages, clearly describing the concept and results must be submitted before the deadline of Feb. 21st, 2025. The conference webpage at www.ieeewamicon.org has complete details of submission requirements. Submissions will be evaluated for originality, significance of the work, technical soundness, and interest to a wide audience.

Paper Submission: Fri, Feb. 21, 2025
Author Notification: Mon., Mar. 10, 2025
Final Papers Due: Mon., Mar. 24, 2025