

IEEE Wireless and Microwave Technology Conference

General Chair

Eduardo Rojas – Embry-Riddle
Aeronautical University
rojase1@erau.edu

General Vice-Chair

Steven Lardizabal – Raytheon
slardiz03@ieee.org

Technical Program Chairs

Gokhan Mumcu – University of
South Florida
mumcu@usf.edu

Kenle Chen – University of
Central Florida

kenle.chen@ucf.edu

Invited Papers Chair

Larry Dunleavy – Modelithics
ldunleavy@modelithics.com

Poster Session Chair

Joshua Kovitz – Georgia Tech
Research Institute
joshua.kovitz@gtri.gatech.edu

Local Arrangements Chairs

Jim Culver – Raytheon
jwculver@ieee.org

Serita Cronin – Tampa
Microwave

s.cronin@tampamicrowave.com

Exhibits & Sponsorship Chairs

Jim Assurian – Reactel
jassurian@reactel.com

Laura Levesque
llevesque@ieee.org

David Zvac – TTE
dzvac@tte.com

Student Paper Contest Chair

Michael Grady – Georgia Tech
Research Institute
michael.grady@gtri.gatech.edu

Complete list of Technical Committee members at:

https://www.ieeewamicon.org/



Submission Deadline: Monday February 28, 2022

WAMICON 2022
April 27th – 28th 2022
Marriott Sand Key
Clearwater Beach, Florida

The 22nd annual IEEE Wireless and Microwave Technology Conference (WAMICON 2022) will be held in Clearwater Beach, Florida April 27th – 28th 2022. The conference will address up-to-date multidisciplinary research needs of wireless and RF technology. The program includes both oral and poster presentations as well as tutorials and special sessions. Prospective authors are invited to submit original and high-quality work for presentation at WAMICON 2022 and publication in IEEE Xplore. The conference website is www.ieeewamicon.org

TOPICS OF INTEREST INCLUDE

The central theme of WAMICON 2022 is “Waves Through Air and Space”. Submissions on all aspects of related technologies, including antennas, passive and active circuits in aviation, 5G, automotive, communication theory, and radar & radiometer system concepts, are encouraged. We’ve expanded our scope to include Space, IoE, Machine Learning, hardware security, and artificial intelligence, in the context of high-frequency electronics.

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.

mm-Wave to THz Technologies

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

Internet of Everything (IoE)

Automotive Systems, Smart Homes, Smart Cities, 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.

Power Amplifiers, Other 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.

Passive Components and Antennas

Filters, Transmission Line Components, Advanced Packaging, Antennas and Arrays, Meta-Materials, Frequency Selective Surfaces, Non-Foster Impedance Matching, Rectifiers

PAPER SUBMISSION INSTRUCTIONS

Authors are asked to submit papers electronically in .PDF format. In order to be considered for publication, an article of 3-4 pages must clearly describe the concept and results, and be submitted before the deadline of **February 28, 2022**. 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.

Papers Due: Fri., Feb. 28, 2022
Author Notification: Mon., Mar. 21, 2022
Final Papers Due: Fri., Mar. 31, 2022



IEEE



MTT-S