

IEEE Microwaves, Antennas and Propagation Conference (MAPCON) - 2023

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Dec. 10-14, 2023, Ahmedabad, India

IEEE Microwaves, Antennas and Propagation Conference, **MAPCON-2023** will be held from December 10-14, 2023 at The Forum Celebration Centre and Wyndham Hotel at Ahmedabad, India, a world heritage city. This is the second edition of MAPCON co-sponsored by IEEE MTT-S and IEEE AP-S. The conference will be held in physical mode. This Conference provides an excellent international platform for sharing of state-of-the-art research/technologies in the field of microwaves and antennas, wherein many national/international eminent personalities will share their vision, expertise and knowledge. MAPCON-2023 will include a wide range of technical sessions, invited talks, workshops, tutorials, special sessions, student design competitions, exhibits, professional meetings, tours and networking events.

Call For Paper:

Authors are invited to submit technical papers of 3-4 pages in length describing their original research work in the following areas (but not limited to):

Track-1 (Antennas)

- * Phased array antennas
- * Reflector and reflect-array antennas
- * Horn antennas & Feed components
- * Planar Antennas
- * Frequency selective surfaces
- * Radar and remote sensing antennas
- * Satellite antennas and payloads
- * Aircraft antennas
- * Antennas for seekers and defense applications
- * Ultra Wide Band and multi-band antennas
- * RFID Antennas and systems
- * Scattering & Diffraction
- * Dielectric resonator antennas
- * Metamaterial, metasurface and EBG antennas
- * Reconfigurable antennas and arrays
- * EM theory and computational EM
- * Adaptive, active and smart antennas
- * MIMO and 5G antennas
- * Millimeter-wave & Terahertz antennas
- * Embedded and wearable antennas
- * Conformal antennas
- * Beamforming techniques
- * Propagation studies and experiments
- * Slotted and guided wave antennas

Track-3 (Emerging Technologies and Applications)

- * Microwave Remote Sensing
- * Quantum devices, systems and applications
- * Microwave photonics and nano technology
- * RF Energy harvesting and wireless power transfer
- * Software Defined /Cognitive radio
- * On chip antennas
- * 3D Printed microwave antennas and structures
- * AI/ML for RF & mm wave

Track-2 (RF/Microwaves)

- * RFICs and MMICs
- * Evolution of Semiconductor Technologies in RF, Microwaves, mm wave, THz
- * Passive components and circuits
- * Active devices and circuits
- * High power Microwaves
- * MIMO techniques
- * Novel waveguides and new phenomena in waveguides
- * Plasmonic devices and their applications
- * Microwave, millimeter-wave and THz systems
- * Radar, SAR and microwave imaging
- * RF sensors and testing techniques
- * Microwave materials and processing
- * Packaging, MCM and 3D manufacturing techniques
- * Wireless and cellular architectures, components and circuits
- * Numerical techniques and CAD algorithms
- * Mixed signal and wireline ICs
- * T/R modules
- * Medical/industrial applications of Microwaves
- * RF systems for emerging telecommunication infrastructure
- * RF Technologies for Space and Defense applications
- * RF Technologies for 5G/6G and beyond
- * Doppler, Short Range, Autonomous Vehicle Radars
- * Microwave ferrite, ferroelectric and MEMS components

Track-4 (Measurements)

- * Advances in Antenna Measurements: Compact Range, Near Field, Far Field, Drones etc.
- * Microwave Holography
- * High Power Tests (Multipaction / PIM)
- * Microwave Measurements
- * Electromagnetic Interference and Compatibility (EMI/EMC)
- * Characterization of Antennas/Payloads/ Radomes

Important Dates :

Paper Submission Starts : May 15, 2023
Paper Submission Ends : July 31, 2023
Notification of Acceptance : August 31, 2023

Awards :

MAPCON Best Paper Awards (Academia & Industry)
MAPCON Best Student Paper Awards _____
MAPCON Best Student Design Contest Awards
MAPCON Travel Grants

