

IEEE Microwaves, Antennas and Propagation Conference (MAPCON)

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www.ieeemapcon.org

Dec 12-16, 2022 The Leela Bhartiya City, Bangalore, India

IEEE MTT-S and IEEE AP-S have come together and signed a MoU for combining two flagship conferences of the respective societies in India (IMaRC and InCAP) to a single conference: Microwave, Antennas, and Propagation Conference (MAPCON). The first edition of MAPCON is planned to be organized in Bangalore, India during Dec 12-16, 2022. MAPCON 2022 will create an international platform for Microwave, Antenna and Propagation experts and technologist from Industry, Academia and Startup ecosystem to collaborate and share their vision, expertise and knowledge. MAPCON 2022 will include technical sessions, poster sessions, special sessions, invited talks, workshops, tutorials, focused track on Young Professionals, Women in Engineering and SIGHT. Eminent professionals from International Space Agencies, Defense Establishments, National Research Organizations, Academia, and Industries will deliver expert talks and tutorials and organize special sessions related to recent developments.

Call For Paper : Authors are invited to submit their original research work in the form of paper, 4-6 pages, in following areas (but not limited to) :

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| ♦ Phased array antennas | ♦ RFICs and MMICs |
| ♦ Reflector and reflect-array antennas | ♦ Evolution of Semi Conductor Technologies in RF, Microwaves, mmwave, THz |
| ♦ Horn antennas & Feed components | ♦ Passive components and circuits |
| ♦ Planar Antennas | ♦ TR Modules |
| ♦ Frequency selective surfaces | ♦ High power Microwaves |
| ♦ Radar and remote sensing antennas | ♦ MIMO techniques |
| ♦ Satellite antennas and payloads | ♦ Novel waveguides and new phenomena in waveguides |
| ♦ Aircraft antennas | ♦ Plasmonic devices and their applications |
| ♦ Antennas for seekers and defense applications | ♦ Microwave, millimeter-wave and THz systems |
| ♦ Ultra Wide Band and multi-band antennas | ♦ Radar, SAR and microwave imaging |
| ♦ RFIDs | ♦ RF sensors and testing techniques |
| ♦ Scattering & Diffraction | ♦ Microwave materials and processing |
| ♦ Dielectric resonator antennas | ♦ Emerging areas including nanotechnology and biomedical applications |
| ♦ Metamaterial, metasurface and EBG antennas | ♦ Wireless and cellular architectures, components, and circuits |
| ♦ Reconfigurable antennas | ♦ Electromagnetic Interference and Compatibility (EMI/EMC) |
| ♦ EM theory and computational EM | ♦ Medical and industrial applications of microwaves |
| ♦ Characterization of Antennas/Payloads/Radomes | ♦ RF energy harvesting and wireless power transfer |
| ♦ MIMO and 5G antennas | ♦ RF systems for emerging telecommunication infrastructure |
| ♦ Millimeter-wave & Terahertz antennas | ♦ RF technologies for Space and Defense applications |
| ♦ Embedded and wearable antennas | ♦ RF Technologies for 5G/6G and beyond |
| ♦ Conformal antennas | ♦ Additive Manufacturing Techniques |
| ♦ Beamforming techniques | ♦ Doppler, Short Range, Autonomous Vehicle Radars |
| ♦ Propagation studies and experiments | |
| ♦ Antenna Measurements (Compact Range, Near Field, Far Field, Drones etc.) | |

Important Dates:

Paper Submission Starts : May 15, 2022
Paper Submission Ends : August 21, 2022
Notification of Acceptance : Oct 15, 2022

Awards:

MAPCON Best Paper Award (Academia & Industry) : ₹ 50,000
Dr. C J Reddy Best YP Paper Award (Male & Female) : ₹ 15,000
MAPCON Best Student Paper Award (1st) : ₹ 10,000
MAPCON Best Student Paper Award (2nd) : ₹ 5,000
Mrs Ranjana Pal Award for Practical Application and design (Male & Female) : ₹ 5,000

