



MAC2023

Organised at

MNNIT Allahabad, India

In Technical Collaboration with

Université de Sherbrooke, Canada

&

Benedict College, Columbia, USA

March 24-26, 2023

CALL FOR PAPERS

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The 1st IEEE International Conference on Microwave, Antenna and Communication”- MAC 2023 will be held in Offline/Hybrid mode at MNNIT Allahabad in Sangam city- Prayagraj, U.P., India, during March 24-26, 2023.

The conference aims to offer a platform for researchers, academicians and individuals in the industry and startups to showcase their research innovations, knowledge and vision.

MAC 2023 will include focused track on Young Professionals, Women in Engineering and SIGHT along with technical sessions on recent developments.

The technical sessions will have four tracks covering recent and emerging research topics in the fields of Microwave, Antenna and Communication. Every track will have the following events- a) Paper presentations and best paper awards b) Key Note Lectures c) Special Sessions d) Panel Discussions and e) Technical/Industrial Workshops.

Organised in Offline/Hybrid Mode at:

**Department of Electronics and Communication Engineering,
Motilal Nehru National Institute of Technology Allahabad,
Prayagraj, Uttar Pradesh, India (211004)**



1ST IEEE - INTERNATIONAL CONFERENCE ON MICROWAVE, ANTENNA AND COMMUNICATION

(MARCH 24-26, 2023)

Conference Website: <http://www.mnnit.ac.in/MAC2023>

Organised in Offline/Hybrid mode at: Electronics and Communication Engineering Department

MNNIT Allahabad, Prayagraj, U.P. India

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PAPER SUBMISSION

Interested students/researchers/academicians/industry persons can submit their original and previously unpublished work, including specific results. All papers are required to be prepared and submitted in the IEEE Standard two-column conference format of A4 size in English. Papers must be four to six pages in length, including texts, figures, photographs and references. The first page must include the title of the paper, author(s), affiliations, address and text. Please do not include page number on submitted documents. Failing to confirm to the standard format will result in rejection. Detailed format information is available at IEEE Website (<https://www.ieee.org/conferences/publishing/templates.html>). The similarity score of the paper should not be more than 15%.

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All papers must be submitted in PDF via Microsoft CMT:

<https://cmt3.research.microsoft.com/MAC2023>

PUBLICATION

All accepted & presented papers of the Conference by duly registered authors, will be submitted to IEEE Xplore Digital Library for Possible Publication.

MODE OF CONFERENCE

The conference will be conducted in Offline/Hybrid Mode

IMPORTANT DATES

Paper Submission Starts	September 5, 2022
Paper Submission Deadline	November 22, 2022
Acceptance Notification	January 23, 2023
Start of Registration	January 23, 2023

REGISTRATION FEE

	Category	Indian Delegates	Foreign Delegates
Early Paper Submission Advantage (For Papers Submitted Till 31 October 2022)	Student (IEEE)	INR 3900/-	USD 150
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- IEEE Communication Society (COM)
- IEEE Sensor Council
- IEEE Young Professional (YP)
- Women In Engineering (WIE)
- Special Interest Group on Humanitarian Technology (SIGHT)

TRACKS

The Topics of interest include but are not limited to-

Microwave Engineering: Microwave Materials, Circuits, Systems and Applications, Power Amplifier and Circuits, Micro Machined Transformation Lines and Wave Guides, Microwave Device Modelling, Active and Passive Microwave Components, Meta-Materials and Meta Surfaces, Multiband, Broadband Tunable and Reconfigurable Filters, Frequency Selective Surfaces, Filters and Multiplexers, Wireless Power Transfer, Microwave Sensors, Microwave Imaging, High Power Microwave and Microwave Tubes, RF Energy Harvesting and Applications, Slotted and Leaky Wave guides.

Antenna Design: Millimeter Wave, THz Technologies and Systems, Antenna Measurements, Interactions and Coupling, Active, Adaptive and Reconfigurable Antennas, Antennas Array Analysis and Synthesis, Broadband and Multi Band Antenna, HF,VF Antennas and Optical Nano Antenna, Integrated Antenna, Smart Antenna and Digital Beam Forming, Dielectric Resonator Antenna, Antenna Design for Biomedical Applications (Implantable, Wearable etc.), RFID Antenna/Sensors and Systems, Conformal Antenna/Filtenna, MIMO Antenna, RF sensors, Multiband and Wideband Antenna, Antenna for Cubesat, Satellite and Ground Station Applications, Underwater Antenna Design, Phase Array and Beam forming Antenna.

Communication Systems: Space Applications/Satellite Communication, UWB Communication System, Wireless Sensor Networks and Applications, 5G and 6G Wireless Technology, Communication Theory, Communication Networks and Signal Processing, Wireless and Optical Communications, Quantum Communication and Computing, Sensor Networks and Body Area Networks, RADAR Communication, Data Communication Network, Cognitive Radio.

Emerging Technologies and Systems: Machine Learning and AI Technologies, VLSI for communication, GaN HEMT devices, Medical Image Processing, Magnetic Induction (MI) based Communications, MIMO Techniques, Underwater Wireless Communication, Underwater Sensors & Modern Sensor System, IOT Technologies, Energy Harvesting, Green Communication, Molecular Communication.

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