WAMS 2022
Wireless, Antenna & Microwave Symposium

June 5-8, 2022, Rourkela, India

www.wams.co.in

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CALL FOR PAPERS

Wireless, Antenna and Microwave Symposium (WAMS) is planned as a multi-disciplinary symposium to be held annually in an academic institute. It is focused on students, young professionals and faculty providing affordable and yet an attractive forum to interact with world-class experts from India and abroad. The 1st symposium WAMS 2022 will be held at the National Institute of Technology, Rourkela, India, during June 5-8, 2022. The symposium will provide an international forum for reporting and sharing recent developments in Wireless, Antenna and Microwave technologies and applications. It is a platform for exchanging technical and scientific achievements, state of-the-art technology, and for establishing and strengthening professional networks. WAMS 2022 will consist of workshops, tutorials, plenary lectures, special and poster sessions, technical sessions, and student paper competition. The conference includes sessions on IEEE Young Professionals, Women in Engineering (WIE) and IEEE Student Activities. There will be several exhibitors, sponsors showcasing their products with attendees, numerous awards and student travel grants given during the symposium. Prospective authors are invited to submit technical papers reporting original unpublished research and recent developments in the topics below. Detailed guidelines for paper submission shall be provided later in the website.

GENERAL TOPICS (But not limited to)

Track 1: Wireless

1. Space Applications/Satellite Communication
2. UWB Communication Systems
3. Data Acquisition and Processing Methods
4. Wireless Sensor Networks (WSN) and Aplications
5. Millimeter/Terahertz and Nano-Optical Technologies
6. mm-wave and Massive MIMO Techniques
7. 5G and 6G Wireless Technologies
8. Electromagnetic Scattering, Channel Measurement and Propagation
9. Machine Learning and Artificial Intelligence Technologies
10. Communication Theory, Computer Networks, Signal Processing
11. RF, Microwave , Wireless and Optical Communications
12. Software Defined Radio (SDR) & Cognitive Radio (CR)
13. Edge Communications
14. Quantum Communications & Computing
15. Energy Harvesting and Green Communication

Track 2: Antennas

1. Antenna Theory and Design
2. Millimeter Wave, THz Technologies and Systems
3. Antenna Measurements, Interactions and Coupling
4. Active, Adaptive and Reconfigurable Antennas
5. Antennas Array Analysis and Synthesis
6. Broadband and Multi-Band Antennas
7. HF, VHF Antennas and Optical Nano-Antennas
8. Integrated Antennas, Smart Antennas, Digital Beam forming
9. Dielectric Resonator Antennas
10. Lens Antennas and Radomes
11. Wearable Antennas
12. RFID Antennas/Sensors and Systems
13. Conformal Antennas
14. Multiband and Wideband Antennas
15. Antenna for Cubesat, Satellite and Ground Station Applications

Track 3: Microwave

1. Microwave Theory & Techniques
2. RF, Microwave Circuits, Systems & Applications
3. RF Material Design, Measurement, and Instrumentation
4. Power Amplifier Devices and Circuits
5. RF IC Front-end and Transceivers
6. Micro-Machined Transmission Lines and Waveguides
7. Microwave Device Modelling
8. Active and Passive Microwave Components
9. Metamaterials and Metasurfaces
10. Multi-band, Broadband, Tunable and Reconfigurable Filters.
11. Frequency Selective Surfaces, Filters and Multiplexers
12. Wireless Power Transfer
13. High Power Microwave and Microwave Tubes
14. RF Energy Harvesting and Applications
15. Slotted and Leaky Waveguides

AWARDS, EXHIBITION & SPONSORSHIP

Numerous honours are funded by generous grants from distinguished IEEE and WAMS members. Cash prizes, plaques, certificates, medals, and/or travel grants are among the honours. WAMS also provides a one-of-a-kind opportunity for businesses and academic institutions to showcase their goods and science. There are several sponsorship options available. Please go to the conference website for more information.

IMPORTANT DATES

Submission of Papers	:	October 31, 2021
Notification of Acceptance	:	December 15, 2021
Camera Ready	:	February 25, 2022
Early - bird Registration	:	March 30, 2022
Deadline for Registration	:	May 25,2022

Accepted and presented papers will be submitted to IEEE Xplore for possible inclusion.

Registration Fees

Category		IEEE Member	Non IEEE Member
Student (UG / PG / research)	Indian	4000 INR	5000 INR
	Foreign	100 USD	110 USD
Academician / industry	Indian	6000 INR	7000 INR
	Foreign	150 USD	170 USD

An early bird discount of 10% will be provided to those who register before March 30, 2022.

For more details visit conference website

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