17th IEEE International Conference on Advanced Networks and Telecommunication Systems
17-20 December 2023, MNIT Jaipur, Rajasthan, India
https://ants2023.ieee-ants.org

IEEE ANTS is a premier IEEE conference on advanced networking and telecommunications topics. IEEE ANTS is financially and technically supported by the IEEE Communications Society. The distinguishing characteristic of IEEE ANTS is the promotion of an intense dialogue between academic and industry to bridge the gap between academic research, industry initiatives, and governmental policies. This is fostered through panel discussions, keynotes, invited talks, and industry exhibits, where academia is exposed to state-of-the-practice and results from trials and interoperability experiments. The industry, in turn, benefits from exposure to leading-edge research as well as an opportunity to communicate and collaborate with academic researchers regarding practical problems. This year the theme is Ubiquitous networking for seamless connectivity. Technical papers are invited which have special focus on enabling technologies that are aligned with the theme of the conference. IEEE ANTS 2023 will held at Malaviya National Institute of Technology, Jaipur, India. The theme of the conference will foster an environment for deliberating on different research aspects on the said topic. Authors can submit short (max 4 pages) and regular (max 6 pages) papers that contain original material which is not currently communicated/submitted/under-review in other conference or journal and has not been previously published. Potential research topics include (but not limited to) the following thrust areas.

IMPORTANT DATES

Main Conference Track:
Paper Submission: 31August 2023
Notification: 17 October 2023
Camera Ready Paper Due:
02 December 2023

Workshop Proposals:
Proposal Submission: 15 August 2023
Notification: Rolling basis

Workshop Papers:
Proposal Submission: 20 October 2023
Notification: 10 November 2023

Tutorial Proposals:
Proposal Submission: 31 July 2023
Notification: Rolling basis

Early Research Forum (2-page abstracts):
Paper Submission: 20 October 2023
Notification: 10 November 2023

Women in Engineering (WiE)*:
Paper Submission: 31 August 2023
Notification: 30 October 2023
*First author of the paper and presenter must be female

Panel Discussion Proposals:
Proposal Submission: 31 July 2023
Notification: 15 August 2023

Featuring

ANTS CAREER ZONE:
An opportunity for both employers and job seekers that facilitates face-to-face interaction, research discussion, on-site interviews, and much more while saving time and cost. The employers will have access to a number of resumes and the candidates will have an opportunity to explore various available positions from different organizations.

Sponsorship:
To sustain the quality of IEEE ANTS that the ANTS community and the IEEE communication society have been able to establish thus far, we greatly depend on financial support from reputed organizations. IEEE ANTS provide sponsors an opportunity to showcase their organization's capabilities to researchers and engineers from all over the world. In the past, IEEE ANTS has been co-sponsored by different organizations such as Cisco, Qualcomm, Samsung, Infinera, Microsoft, Keysight, Mathworks, DRDO, CSIR, SERB, UKIERI, C-DOT, Tejas Networks, Wipro, Ennetix, IEEE Future Networks, and others. Sponsorship proposals are invited for IEEE ANTS 2023.

For more details, please visit:
https://ants2023.ieee-ants.org/

Or scan →

For inquiries, please e-mail us at
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TOPICS OF INTEREST

Wireless Communication and Networks:
- 5G-Advanced and 6G Technologies
- Communication theory and systems
- Cellular and Broadband Networks
- Information and Coding Theory
- Cognitive Radio Networks
- Spectrum Issues and Requirements
- Multi-Antenna Communications
- Energy Efficiency and Harvesting
- Device to Device (D2D) Communications
- High Altitude Networks
- Mobility Models and Mobile Networks
- Mobile Backhaul Networks
- Ad hoc and Mesh Networks
- Underwater Communications and Networking
- Aerial Communications and Networking
- Machine-to-Machine (M2M) networks
- Satellite and Radar Communications
- Unlicensed Band Communication
- Smart Antennas

Optical Communication and Networks:
- Free Space Optics
- Visible Light Communication and Networks
- Optical Fiber Communication and Networks
- Optical Access Networks
- Quantum Optical Communications
- Optical Datacenter Networks
- Hollow-Core Fiber Communication
- Subsea Communication and Networks
- Fiber-wireless convergence
- Techno-economics
- Disaster-Resilient networks
- Optical Backhaul for Wireless Networks
- Optical Network Architectures
- Optical Networks for Cloud/Fog
- Hybrid Fiber-Wireless Networks

Network Technologies and Applications:
- Defence Communications and Networking
- Software Defined Networks
- Network Function Virtualization
- AI/ML for Communications and Networking
- Big Data and Analytics in Smart City
- Augmented and Virtual Reality
- Cyber-physical systems and networks
- Power-line Communication
- Smart Grid Communication Networks
- M-Healthcare
- Rural and Remote Connectivity
- Blockchain for Communications and Networking
- Security, Privacy, and Trust
- Signal Processing for Communications
- Network Economics and Pricing
- Open Networking
- Spectrum Sharing Models
- Game Theory with Networks

Emerging Technologies:
- Integrated Sensing and Communication
- Quantum Communication and Networks
- Satellite Internet
- Intelligent Meta-Surfaces
- Ultra-Reliable and Low-Latency Communications
- Green Communications and Networking
- Molecular Communications
- Nano-networking
- Millimeter-Wave Communications
- Full-Duplex Communications
- Wireless Body Area Networks
- Edge technologies
- UAV Communications and networking
- IoT Networks
- Semantic Communications
- Haptic and Holographic Technologies
- Testbed and Prototype Implementation

EDAS Link to submit your papers:
https://edas.info/N31060

After review, all accepted and presented papers will appear in IEEE Xplore. The conference proceedings are indexed in SCOPUS and other major indexing platforms. IEEE ANTS 2023 will feature workshops, tutorials, and panel discussions, colocated with the main technical conference. Proposals to organize workshops, tutorials, and panel discussions in line with the theme and main conference are also encouraged. The early research forum will provide an opportunity for students and early career professionals to present and discuss their work in progress with experts and peers from around the world. Complimentary access to ANTS CAREER ZONE will be provided to all the participating individuals and sponsors. IEEE ANTS will present BEST PAPER AWARDS for each track during the conference. Several travel grants are available for conference attendees and authors. More details will be available soon. The authors of the selected (accepted) papers will be invited to submit the extended versions of the papers to the special issues of Springer Nature's journals, namely, Wireless Personal Communications and Photonic Network Communications.

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