IEEE ANTS™

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IEEE Communications Society

IEEE INTERNATIONAL CONFERENCE ON ADVANCED NETWORKS AND TELECOMMUNICATIONS SYSTEMS

15-18 December 2024,
IIT Guwahati, Assam, India

CALL FOR PAPERS

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 academics 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 results from trials and interoperability experiments. This year, the theme is "**Bridging the World with Intelligent Communication**."
Topics including, but not limited to:

Wireless Communication and Networks:
● 5G-Advanced and 6G Technologies
● Communication Theory and Systems
● Cellular and Broadband Networks
● Spectrum Issues and Requirements
● Multi-Antenna Communications
● Device to Device (D2D) Comm.
● Emerging and Novel Networks
● Mobility Models
● Smart Antennas

Network Technologies/Applications:
● Software Defined Networking
● Network Functions Virtualization
● AI/ML for Comms. and Networking
● Cyber-physical Systems
● Smart Grid Comms. Networking
● M-Healthcare
● Rural and Remote Connectivity
● Adversarial Machine Learning
● Game Theory

Optical Communication and Networks:
● Free Space Optics
● Optical Access Networks
● Quantum Optical Communications
● Optical Datacenter Networks
● Fiber-wireless convergence
● Disaster-Resilient networks
● Optical Network Architectures
● Optical Networks for Cloud/Fog

Emerging Technologies:
● Quantum Comms. and Networking
● Post Quantum Security and Privacy
● Intelligent Meta-Surfaces
● Edge Technologies
● Nano-networking
● Industry 4.0 Networking and Comms.
● Haptic and Holographic Technologies
● Testbeds and Prototypes
● Internet of Things Networking

IMPORTANT DATES

Main Conference Track: ~~15 July 2024~~ 01 Aug. 2024
Workshop Proposals: 15 June 2024
Tutorial Proposals: ~~1 July 2024~~ 01 Aug. 2024
Early Research Forum: 1 Aug. 2024
Exhibit and Demo: 1 Aug. 2024
Women in Engineering (WiE)*: ~~15 July 2024~~ 01 Aug. 2024
*First author of the paper and presenter must be female

EDAS Submission Link:
https://edas.info/newPaper.php?c=32392

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