



IEEE ANTS is a premier IEEE conference on advanced networking and telecommunications topics. IEEEANTS is financially and technically supported by IEEE Communications Society. The distinguishing characteristic of IEEE ANTS is the promotion of an intense dialogue between academia 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 “**ICT for connecting Humanity**”. In addition to the myriad of topics mentioned in the list below, technical papers are invited which have special focus on enabling technologies for a hyper-connected world. IEEE ANTS 2020 will be held at IIIT-Delhi, New Delhi, one of the eminent Institute of India. The theme of the conference will foster an environment for deliberating on different research aspects on the said topic. Authors can submit short (4 pages) and regular (max 6 pages) papers that contain original material which is not currently communicated in other conference or journal and has not been previously published.

Call for Papers: Women in Engineering (WiE) Mini Conference

The IEEE ANTS is introducing a WiE Track- a one day mini-conference as a part of IEEE ANTS 2020 on December 16th 2020.

Paper Submission:

At least one author and presenter should be female. Selected paper will be published in IEEE Explore. The Call for Paper for WiE Track is same as main conference theme and the paper should be submitted through WiE Track on EDAS. Authors can submit short (3 page) and regular (6 pages) papers on research and development focusing on (but not limited to) the following thrust areas:

Wireless Communication & Networks

- 5G Beyond Technologies
- Cellular and Broadband Networks
- Ad hoc & Mesh Networks
- Sensor Networks
- Mobile Backhaul Networks
- High Altitude Networks
- Mobility Models & Mobile Networks
- Cognitive Radio Networks
- Optical Wireless (Free Space Optics)
- Device to Device (D2D) Communication
- Social Network Aware Wireless Network
- Spectrum issues & requirement
- Efficiency & Harvesting
- RF Energy Harvesting
- Smart Antennas
- Active Antennas
- MIMO & OFDM
- Routing in Wireless & Mobile Systems
- Security Issues in Infrastructureless Networks

Emerging Technologies

- Massive MIMO Ultra Reliable & Low Latency Communications
- Green Communications & Networking
- Hybrid Satellite Terrestrial Networks
- Molecular Communications
- Nano Networking
- Visible Light Communications
- Millimetre Wave Communications
- Full Duplex Communications
- Wireless Body Area Networks

Important Dates

Paper Submission: 15th Sep 2020

Notification: 5th October 2020

Network Applications and Technologies

- Internet-of-Things (IoT) Networks
- Cognitive IoT
- Edge Computing & Networking
- Airborne Networks
- Underwater Networks
- Software Defined Networks (SDN)
- Cloud & Crowd Computing
- Smartphone Networked Apps Content Delivery Networks
- Big Data & Analytics
- Augmented & Virtual Reality
- Cyber – Physical System & Networks
- Game Theory in Networks
- Tactile Internet Access
- Control Scheduling Algorithms Security
- Trust & Privacy
- Cloud & Data Centre Networks
- Software – Defined Infrastructure (Network, Storage & Compute)
- Core Network Architectures & Protocols
- Reliability Performance Analysis
- Metro & Access Networks
- High Performance Routing
- Powerline Communication and POE
- Heterogeneous Networks Network
- Architecture for Smart Grid
- Open Source Network Automation,
- xDSL Networks

Women in Engineering (WiE) Paper Submission

Proposal submissions should be submitted as a single PDF file online via EDAS at the following link: <https://www.edas.info/newPaper.php?c=27510&track=102754>

Women in Engineering (WiE) Committee

Dr. Mydhili Nair, MSRIT – mydhili.nair@msrit.edu

Dr. Mukulika Maity, IIIT-D – mukulika@iiitd.ac.in

Prof. Sakshi Kaushal, U.I.E.T, Panjab University – sakshi@pu.ac.in

For more information: <https://ants2020.ieee-comsoc-ants.org/>

Contact for details:

Dr. Vivek Bohara, IIIT-D – vivek.b@iiitd.ac.in

Dr. Gourab Ghatak, IIIT-D - gourab.ghatak@iiitd.ac.in