



IEEE ANTS is a premier IEEE conference on advanced networking and telecommunications topics. IEEE ANTS is financially and technically supported by 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 Digital Connectivity and Economic Prosperity for All”. 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 ubiquitous digital connectivity. IEEE ANTS 2021 will be held at Institute for Development and Research in Banking Technology (IDRBT) Hyderabad which was established by the Reserve Bank of India (RBI) in 1996. 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. Potential research topics include (but not limited to) following thrust areas.

CALL FOR PAPERS

IMPORTANT DATES:

Main Conference Track:

Paper Submission: **01-07-2021**

Notification: **01-09-2021**

Final Submission: **30-09-2021**

Call for Workshops:

Paper Submission: **10-08-2021**

Notification: **01-09-2021**

Call for Tutorials:

Paper Submission: **10-08-2021**

Notification: **20-08-2021**

Early Career Research Forum

(minimum 2 pages):

Paper Submission: **10-08-2021**

Notification: **30-08-2021**

FEATURING:

Women in Engineering (WiE) Mini Conference:

Panels, Keynotes, Tutorials and Technical Track (find a separate track for submission on EDAS). The first author must be female, and the presenter must be female. Submission date is same as Main Conference Track.

Industry/Start-ups Show Case: Please check the details on the conference website.

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 capabilities to researchers and engineers from all over the world. For more details about sponsorship, please visit conference website or contact **Dr. Sudhir Dixit** at sudhir.dixit@ieee.org

Wireless Communication & Networks:

5G & Beyond Technologies, Cellular & 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) Communications, Social Network Aware Wireless Network, Spectrum Issues & Requirements, Energy Efficiency & Harvesting, RF Energy Harvesting, Smart Antennas, Active Antennas.

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, Named Data Networking, Routing in Named Data Networking, Business Models, Testbeds and Pilots.

Security and Privacy:

Security, Trust and Privacy, Cloud & Data Center Networks, Reliability Performance Analysis, Malware Propagation, Security Issues in Banking and Financial Institutes, Security Issues in Infra-structure less Networks, Network Resilience, Cyber Security, Cryptography Trusted Computing, Security Analytics, User Behaviour Analytics, Forensic Analysis, Cloud forensics, Deceptive Networks, Threat Hunting, Malware Analysis, Forensic Analysis, Cloud forensics, Privacy Preservation, Data Leakage Prevention, Security Operations Automation.

Emerging Technologies:

Massive MIMO, Ultra-Reliable & Low Latency Communication, Green Communication Networking, Hybrid Satellite Terrestrial Networks, Molecular Communications, Nano-Networking, Visible Light Communications, Millimeter-Wave Communications Full-Duplex Communications Wireless, Body Area Networks, AI, Machine & Deep Learning over Distributed Networks, Vehicular Networks.

ORGANIZING COMMITTEE

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Co-General Chair: Prof. T. Rama Rao, SRMIST

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3. Prof. Sameer Kulkarni, Indian Institute of Technology Gandhinagar

For more information visit website:

<https://ants2021.ieee-comsoc-ants.org/>

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In case of travel restrictions due to Covid-19 that prohibit physical appearance, IEEE ANTS will allow authors of accepted papers to present and participate remotely if they wish to do so.

IEEE ANTS will present Best Paper Awards during the conference. After **double-blind review**, all accepted and presented papers will appear in IEEE Xplore and indexed in SCOPUS, Google Scholar, and other major indexing. There will be a few workshops co-located with the conference. Proposals to organize workshops in line with the theme and main conference are also encouraged. In addition, those interested in the conference are also encouraged to submit proposals for tutorials and early research forum. IEEE ANTS 2021 offers several student travel grants of up to **INR 7000/-** to students who registered and co-authored an accepted paper in IEEE ANTS 2021 on competition basis. Extended version of selected accepted paper might be included for publication in selected IEEE journals. Submit your paper using EDAS link: <https://www.edas.info/newPaper.php?c=27510&track=102751>.

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