13ᵗʰ International Conference on Advanced Networks and Telecommunication Systems 16-19 December 2019, BITS-Pilani K K Birla Goa Campus

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 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 **"BRIDGE TO CONNECT EVERYTHING"**. 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 2019** will be held at **BITS Pilani K.K. Birla Goa Campus**, one among the six institutes of eminence identified by the Government 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. Potential research topics include (but not limited to) following thrust areas.

CALL FOR PAPERS

IMPORTANT DATES

Main Conference Track:
Paper Submission: 15 August 2019
 (Hard Deadline)
Notification: 15 September 2019
Final Submission: 30 September 2019

Call for Workshops:
Proposal Submission: 15 August 2019
 (Hard Deadline)
Notification: 15 September 2019

Call for Tutorials:
Proposal Submission: 15 August 2019
 (Hard Deadline)
Notification: 15 September 2019

PhD Forum (minimum 2 pages):
Paper Submission: 15 August 2019
 (Hard Deadline)
Notification: 15 September 2019

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; 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:

In order 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 and provides you an opportunity to showcase your organizations capabilities to researchers and engineers from all over the world. For more details about sponsorship, please visit: http://ants2019.ieee-comsoc- ants.org/ patrons/

or Please contact Dr. Sudhir Dixit for more information 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
MIMO and OFDM
Routing in Wireless and Mobile Systems
Security Issues in Infra-structureless Networks
Network Resilience
Anomaly Detection in Radar Systems

Emerging Technologies:
Massive MIMO
Ultra-Reliable & Low-Latency Communications
Green Communications & 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

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 Systems & Networks
Game Theory in Networks
Tactile Internet Access
Control Scheduling Algorithms
Security, Trust and Privacy
Cloud &Data Center Networks
Software-Defined Infrastructure (Networks, Storage, and Compute)
Core Network Architectures and Protocols
Reliability Performance Analysis
Metro & Access Networks
Optical Communications & Networking
Submarine Networks
High-performance Routing
Powerline Communication and PoE
Heterogeneous Networks
Network Architectures for Smart Grid
Open Source Network Automation
xDSL networks

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More Information About IEEE ANTS 2019:

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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 PhD Forum. IEEE ANTS 2019 offers several student travel grants of up to INR 7000/- to students who registered and co-authored an accepted paper in IEEE ANTS 2019 on competition basis.

Extended version of selected accepted paper might be included for publication in selected IEEE publications

Submit your paper using EDAS link https://edas.info/N26184.

 For enquiries: ieeeants19@gmail.com