



IEEE ANTS is a premier IEEE forum 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 “Towards a Hyper-Connected World: Emerging Trends in ICT”. 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 2018 will be held in Indore, which is gearing up to build smart city, and has been awarded as the cleanest city in India in 2017. 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.

**IMPORTANT DATES**

**Main Conference Track:**  
Paper Submission: 05 August 2018  
Notification: 15 September 2018  
Final Submission: 01 October 2018

**Call for Workshops:**  
Proposal Submission: 5 August 2018  
Notification: 15 September 2018

**Call for Tutorials:**  
Proposal Submission: 15 July 2018  
Notification: 15 September 2018

**PhD Forum (minimum 2 pages):**  
Paper Submission: 05 August 2018  
Notification: 15 September 2018

**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 generous financial support from reputed organizations and provide an opportunity to showcase your organization's capabilities to the researchers and engineers from all over the world. For more details about sponsorship, please visit:  
<http://ants2018.ieee-comsoc-ants.org/patrons/>  
Please contact Dr. Sudhir Dixit for more information at [sudhir.dixit@gmail.com](mailto:sudhir.dixit@gmail.com)

### CALL FOR PAPERS

- Wireless Networks:**
  - 5G & Beyond Technologies
  - Cellular & Broadband Networks
  - Ad hoc & Mesh Networks
  - Sensor Networks
  - Mobile Backhaul Networks
  - High Altitude Networks
  - Mobility Models & Mobile Networks
  - Embedded Systems
  - Internet-of-Things (IoT) Networks
  - Cognitive IoT
  - Cognitive Radio Networks
  - Optical Wireless (Free Space Optics)
  - Underwater Networks
  - Device-to-Device (D2D) Communications
  - Social Network aware Wireless Network
  - Spectrum Issues & Requirements
  - Energy Efficiency & Harvesting
- Wireline Networks:**
  - Cloud & Data Center Networks
  - Software-Defined Infrastructure (Networks, Storage, and Compute)
  - Core Network Architectures and Protocols
  - Network Resilience
  - Anomaly Detection
  - Reliability Performance Analysis
  - Metro & Access Networks
  - Optical Communications & Networking
  - Submarine Networks
  - High-performance Routing
  - Heterogeneous Networks
  - Network Architectures for Smart Grid
  - Hybrid Wireline-Wireless Networks
  - xDSL networks
  - Measurement & Experimental Studies
- Emerging Technologies:**
  - Massive MIMO
  - Airborne Communication Networks
  - 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
  - Simultaneous Wireless Information & Power Transfer (SWIPT)
  - Machine & Deep Learning
  - Vehicular Networks
  - Testbed and Prototype Implementation
- Network Applications and Convergence of IT and Telecom Networks:**
  - Software Defined Networks (SDN)
  - SDN as Enabling Technology for 5G
  - Network Virtualization
  - Cloud & Crowd Computing
  - Smart Homes & Smart Cities
  - Resource Planning & Management
  - 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

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.

Extended version of selected accepted paper might be included for publication in IEEE Consumer Electronics Magazine

**ED AS** Submit your paper using EDAS  
<https://edas.info/N24727>

For enquiries: [ieeeants2018@gmail.com](mailto:ieeeants2018@gmail.com)

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More Information About IEEE ANTS 2018:  
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