



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: 01 June 2018  
Notification: 15 September 2018  
Final Submission: 01 October 2018

#### Call for Workshops:

Proposal Submission: 01 July 2018  
Notification: 15 September 2018

#### Call for Tutorials:

Proposal Submission: 01 July 2018  
Notification: 15 September 2018

#### PhD Forum (minimum 2 pages):

Paper Submission: 01 July 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 the past, IEEE ANTS was co-sponsored by different industries such as Qualcomm, C-DOT, Quadgen, Infinera, Microsoft, Tejas Networks. ANTS 2018 will be co-sponsored by Intel, TCS, C-DOT, and many others.

For more details about sponsorship, please visit:

<http://ants2018.ieee-comsoc-ants.org/patrons/>

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### 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

#### 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

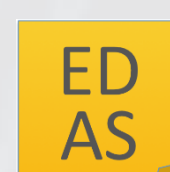
#### Wireline Networks:

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

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.



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:  
Please Visit: <http://ants2018.ieee-comsoc-ants.org>

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