



CALL FOR PAPERS

ANTS is a premier IEEE forum on networking and telecommunications topics. It is the only conference in India, which is financially sponsored 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 in networking as well as the opportunity to communicate with academic researchers regarding practical problems that require further research. This year the theme is “**Communications for Smart City**”. In addition to the myriad of topics mentioned in the list below, special focus will be on accepting papers, which have special focus on enabling technologies for communications in Smart Cities. As Bhubaneswar is gearing up to build smart city, 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 (6 pages) papers focusing on (**but not limited to**) the following thrust areas.

IMPORTANT DATES

Main Conference Track:
Paper submission: 20 June 2017
Extended till: **2 August 2017**
[Hard Deadline]
Notification: 5 October 2017

Call for Workshops:
Proposal Submission: 31 July 2017
Notification: 1 September 2017

Call for Tutorials:
Proposal Submission: 31 July 2017
Notification: 1 September 2017

PhD Forum (minimum 2 pages):
Paper Submission: 31 July 2017
Notification: 30 September 2017

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 2017 will be co-sponsored by Intel, TCS, C-DOT, and many others.

For more details about sponsorship, please visit:
<http://ants2017.ieee-comsoc-ants.org/patrons/>

Please contact Dr. Sudhir Dixit for more information at sudhir.dixit@gmail.com

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| <p>Wireline Networks:
Cloud and data center networks
Software-Defined Infrastructure (Networks, Storage, and Compute)
Core network architectures and protocols
Metro and access networks
Optical communications and networking
High-performance router architectures
Heterogeneous Networks
Network architectures for the Smart Grid
Hybrid wireline-wireless networks</p> <p>Wireless Networks:
5G and beyond technologies
Cellular and broadband wireless networks
Ad hoc mobile networks
Mobile backhaul networks
High altitude networks
Mobility models and mobile networks
Sensor networks and embedded systems
Internet-of-Things (IoT) Networks</p> | <p>Cognitive Internet of Things
Cognitive radio networking
Optical wireless (free space optics)
Machine-to-Machine (M2M)
Social Network-aware wireless
Spectrum issues and requirements</p> <p>Network Applications and Convergence of IT and Telecom Networks:
Software Defined Networks(SDN)
SDN as enabling technologies for 5G
Network virtualisation
Cloud and crowd computing applied to smart City
Smart City applications
Smart home in Smart City
Smart management of Smart City
Smartphone networked apps
CDN techniques in Smart City
Big data and analytics in Smart City
Augmented and Virtual Reality
Cyber-physical systems and networks
M-Health care</p> |
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After review, all accepted and presented papers, will appear in *IEEE Xplore*. 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.

ED AS Submit your paper using EDAS
<http://edas.info/N23609>

Journals Special Issues:
Extended version of some accepted papers in the conference will be considered for re-review and inclusion in the following special issues. We are also in touch with few other high quality journals for consideration of extended version of few other papers.

Photonic Network Communications [PNET] : Indexed in Science Citation Index (SCI), Science Citation Index Expanded (SciSearch), SCOPUS, INSPEC, Google Scholar, EBSCO Discovery Service, Academic OneFile, CSA Environmental Sciences, EI-Compendex, Gale, io-port.net, OCLC, SCImago, Summon by ProQuest

International Journal of Communication Networks and Distributed Systems [IJCNDS]:
Indexed in SCOPUS, Compendex [formerly Ei], ACM, DBLP & Google Scholar.

Organizing Committee:

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Uday Desai, IIT Hyderabad, India

More Information About IEEE ANTS 2017:
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