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, keynote talks, and the 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: 26 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
  - PhD Forum (minimum 2 pages)
  - Proposal Submission: 31 July 2017
  - Notification: 1 September 2017
  - 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 data is same as Main Conference track
- INDUSTRIAL/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, Quaddgen, 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.org/ants2017

Please contact Dr. Sudhir Dixit for more information at sxmohan@ualr.edu

**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

**Wireless Networks:**
- 5G and beyond technologies
- Cellular and broadband wireless networks
- Ad hoc mobile networks
- Mobile backbone networks
- High altitude networks
- Mobility models and mobile networks
- Sensor networks and embedded systems
- Internet-of-Things (IoT) Networks

**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

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.

**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 (PNC):**
- Indexed in Science Citation Index (SCI), Science Citation Index Expanded (SciSearch), SCOPUS, INSPEC, Google Scholar.
- EBSO Discovery Service, Academic OneFile, CSA Environmental Sciences, EI-Compendex, Gale, in-portal.net, OCLC, SCImage, Summon by ProQuest

**International Journal of Communication Networks and Distributed Systems (ICNDS):**
- Indexed in SCOPUS, Compendex (formerly EI), ACM, DBLP & Google Scholar.