



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.

Patron

Sanjib Kumar Rout: Chairman
C. V. Raman Group of Institutions, India
Shailja Rout: Managing Director,
SSEPL Skills Pvt. Ltd., Odisha

Local Steering Committee

Kartik Chandra Patra
Bhabes Bhattacharya
Sunil Sarangi
Debdas Mishra
Damodar Mohapatra

Local Organizing Committee

Mohit Ranjan Panda
Suvendu Chandan Nayak
Sasmita Parida
Shreela Dash

FEATURING:

Women in Engineering (WIE)
Panel Discussion
Keynotes Speakers
Tutorials and Technical Tracks

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 August 2017

Notification: 5 October 2017

Call for Tutorials

Proposal Submission: 31 August 2017

Notification: 5 October 2017

PhD Forum (minimum 2 pages):

Paper Submission: 31 August 2017

Notification: 5 October 2017

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 backhaul networks
High altitude networks
Mobility models and mobile networks
Sensor networks and embedded systems
Internet-of-Things (IoT) Networks
Cognitive Internet of Things
Cognitive radio networking

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>

Optical wireless (free space optics)

Machine-to-Machine (M2M)
Social Network-aware wireless
Spectrum issues and requirements

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

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, El-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:

General Co-Chairs:

Sudip Misra, IIT Kharagpur, India
Bibudhendu Pati, CVRCE, Bhubaneswar, India
Seshadri Mohan, UA Little Rock, Arkansas, USA

Steering Committee:

Sudhir Dixit, Basic Internet Foundation, USA
Deepak Kataria, IP Junction Inc., USA
Byrav Ramamurthy, University of Nebraska, USA
Krishna Sivalingam, IIT Madras, India

TPC Co-Chairs:

Koushik Sinha, Southern Illinois University, USA
Sandip Chakraborty, IIT Kharagpur, India

WIC Co-Chairs:

Chhabi Rani Panigrahi, University of California, USA
Chetna Singhal, IIT Kharagpur, India
Mydhili Nair, MSRIIT, Bengaluru, India
Tripti Swarnkar, India

PhD Student Forum Co-Chairs:

Goutam Chakraborty, Iwate Prefect. Univ., Japan
Lai Junyu, UES & T, China

Workshop Co-Chairs:

Subhankar Dhar, San Jose State University, USA
Priyadarshi Kanungo, CVRCE, India
Sukant Kisore Bisoy, CVRCE, India

Publicity Co-Chairs:

Tomohiko Taniguchi, Fujitsu Labs Ltd., Japan
Sanjib Kumar Panda, NUS Singapore
Chayan Sarkar, TCS Innovation Labs, Kolkata

International Advisory Committee:

Biswanath Mukherjee, UC Davis, USA (Chair)
Prasant Mohapatra, University of California, USA
Josef Noll, University of Oslo & Basic Internet Foundation, Norway
Venky Krishnaswamy, San Francisco Bay area, USA
Ashok Chandra, Wireless Adviser to the Gov (Former), India
Rahim Tafazolli, University of Surrey, UK
Gihan Wikramanayake, University of Colombo, Sri Lanka
Wee-Seng Soh, National University of Singapore
Inder Monga, ESnet, USA
Dilip Krishnaswamy, IBM Research, India
K C Chen, University of South Florida, USA
Vipin Tyagi, C-DoT, India
Matti Latva-aho, University of Oulu, Finland
Sanjay Nayak, Tejas Networks
Balamuralidhar P., TCS, India
Bhabani Sinha, ISI, India
Klaus David, University of Kassel, Germany
Mukesh Taneja, Cisco
Vinod Kumar, Nokia Bell Labs (retired)
Debasish Datta, IIT Kharagpur, India
Uday Desai, IIT Hyderabad, India

More Information About IEEE ANTS 2017:

Please Visit: <http://ants2017.ieee-comsoc-ants.org>

