



**Workshop on Green ICT for Next
Generation Wireless Networks in
conjunction with
IEEE ANTS 2018**



INDRAPRASTHA INSTITUTE of
INFORMATION TECHNOLOGY
DELHI

Scope:

According to a recent survey, the global mobile data traffic is expected to exceed the mark of 45 Exabyte per month by 2021. With increased network capacity requirements globally, there is a need for dense network deployments demanding higher energy consumption in near future. Further, the energy consumption of wireless networks is also expected to increase with the increased data rate usage and spread of Internet of Things (IoT). Large amount of energy consumption takes toll on the ecological balance and economic viability. The information and communication technology (ICT) industry has been recognized as the key to a low carbon economy and ensuring sustainability of wireless networks. With the emergence of new ideas and innovative solutions, research towards green ICT for sustainable future wireless networks is gaining momentum.

This workshop aims to provide a platform for academicians, researchers and industry people to come together and deliberate on the prospective solutions. Additionally, the workshop is intended to identify the potential research areas in the field of green ICT for next generation wireless networks. Prospective authors are invited to submit original papers (max. 6 pages) on their latest research results which would be peer reviewed. Papers should strictly adhere to IEEE format (see submission guidelines). All papers presented at the workshop will be submitted to **IEEEXplore** for publication. The scope and topics include (but not limited to):

- Energy efficient solutions using Renewable Resources
- Energy saving Computational Algorithms, Strategies & Protocols
- Energy efficient dedicated short range communication
- VLC for sustainable Wireless networks
- Energy Efficiency and Scavenging
- Smart Grid Communication Networks
- Content caching in energy efficient D2D networks
- Energy efficient signal processing techniques
- Green communication and Networking
- Energy Efficient HetNets

- Simultaneous Wireless Information & Power Transfer (SWIPT)
- Smart Home & Smart Cities
- Green IoT

DEADLINES:

- Paper Submission Deadline: 20th Sept 2018
- Paper Acceptance Notification: 20th Oct 2018
- Camera-Ready: 1st Nov 2018

Submission Guideline: <http://ants2018.ieee-comsoc-ants.org/authors/>

Submission link: <https://edas.info/newPaper.php?c=24727&track=93154>

Workshop Organizers:

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Workshop committee:

1. Liu Zilong, University of Surrey, UK.
2. Ankush Vashistha, Nanyang Technological University, Singapore
3. Mohammad Hashmi, Nazarbayev University, Astana, Kazakhstan
4. Parvinder Kumar, Asstt. Professor, Thapar University, Patiala, Punjab
5. Naveen Gupta, VIT University, Vellore
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