

APPLICATION FORM

**TEQIP II Funded One Week Workshop on
ADVANCED WIRELESS COMMUNICATION &
NETWORKING
(August 12-17, 2013)**

1. Name:
2. Designation (Student/ Faculty/ Industry personnel):
3. Institution/ Company:
4. Postal Address for Correspondence:
5. Phone (mobile preferred):
6. E-mail:

Signature Of the Candidate Forwarded by Head of Department/ Institution

Send the completed application form along with a demand draft of appropriate amount drawn in favour of 'NIT DURGAPUR' payable at Durgapur to:

Address for Correspondence:

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NIT Durgapur,
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Burdwan, West Bengal.

E-mail: awcn2013@gmail.com

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PATRON

Prof. Tarkeshwar Kumar
Director, NIT Durgapur.

COORDINATORS

Dr. Sumit Kundu
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MEMBERS

Mr. Aurpan Majumdar
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Mr. Srinivas Nallagonda
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Mr. Binode Prasad
Research Scholar, ECE Department, NIT Durgapur.

Ms. Sankalita Biswas
Research Scholar, ECE Department, NIT Durgapur.

ABOUT THE INSTITUTE

National Institute of Technology, Durgapur (Deemed University), formerly known as Regional Engineering College, is a centrally funded institution under the control of MHRD, Govt. of India, specializing in technical & professional education since 1960. The Institute is located in a vibrant industrial hub of Asansol-Durgapur belt with a potential to act as a nucleating centre of research and development in emerging areas of technology.

Durgapur is situated at a distance of 158 km. from Kolkata and is well connected by rail and road. The institute campus is 8 km. away from Durgapur railway Station.

One Week Workshop

on

ADVANCED WIRELESS COMMUNICATION & NETWORKING

August 12-17, 2013

*Under
TECHNICAL EDUCATION QUALITY IMPROVEMENT
PROGRAMME II (TEQIP II)*



Organized by

**Department of Electronics & Communication
Engineering**

**NATIONAL INSTITUTE OF TECHNOLOGY
(DEEMED UNIVERSITY)**

**DURGAPUR - 713209
WEST BENGAL**

WORKSHOP

BACKGROUND AND GOAL

The past decade has seen a surge in research activities in the field of wireless communications. This is due to a confluence of factors: the explosive growth in demand for tetherless connectivity, the dramatic improvement in hardware implementation technology, as well as the success of 2G digital wireless standards. Emerging from this research thrust are new points of view on how to communicate effectively over wireless channels. New concepts such as sensor networks, cognitive radios, distributed MIMO, wireless relays etc. are already having an impact on the design of next-generation wireless systems.

The goal of this workshop is to introduce the new concepts at a level accessible to the professionals with a basic background in probability and digital communications.

TOPICS

Sensor and adhoc networks.
Cognitive radio and spectrum sensing.
Green communication.
Wireless propagation, fading, diversity, MIMO.
Localization and positioning.
Underwater and underground communication.
Resource optimization.
Traffic Engineering.
MATLAB based simulation of digital communication and communication over fading channels.

RESOURCE PERSONS

The course contents will be taught by eminent experts from IIT(s), NIT(s), ISM Dhanbad, Jadavpur University, BESU Shibpur, and other reputed institutes.

CALL FOR PAPER

Prospective authors are invited to submit original technical papers for **publication in the workshop proceedings** and for **oral presentation**. All submissions should be in standard IEEE format with a maximum paper length of four (4) printed pages. IEEE conference templates are available at:
http://www.ieee.org/conferences_events/conferences/publishing/templates.html

An author of an accepted paper is required to register at FULL rate (Rs. 6,000). Only PDF files will be accepted for review.

TOPICS FOR PAPERS

Research papers are invited on (but not limited to) the following topics:

Wireless Communications & Networking
Optical Networks and Systems
Signal Processing
Power-Line Communications
Satellite and Space Communications
Access Networks and Systems
Cognitive radio/ Sensor/ Relay networks
Green Communication
VLSI system, Circuit, and Design
Computational techniques and Expert systems
Instrumentation and Measurement
Control and Automation
Power and Energy
Advanced Antenna & Microwave Circuits
Parallel, Grid, and Cloud computing
Applications of soft computing
Image Sensing and Processing

IMPORTANT DEADLINES

Paper Submission – 20 July, 2013
Paper Acceptance – 25 July, 2013
Registration – 30 July, 2013

REGISTRATION

ELIGIBILITY

Faculty of Engineering (Degree & Diploma) and Technology Institutions.

PhD/MS Research Scholars.

ME/ MTech Students.

Final Year BE/ BTech Students.

Scientist/ Engineers from R&D organizations.

Engineers from Industry.

FEE

Rupees Six Thousand only (Rs. 6,000/-).

KIT

Each registration includes:

Working lunches.

Tea/ coffee/ snacks.

One gala dinner.

A workshop kit with CD proceedings containing course material and presented papers.

A certificate for attending the workshop will be awarded to each participant. For outstation candidates assistance for finding suitable accommodation will be provided.

Minimum 20/25 participants are required for successfully running the workshop. In case of insufficient number of candidates registered within due date, already received draft would be returned.