

Eligibility

Faculty of Engineering and Technology Institutions
PhD/MS Research Scholars.
Scientist/ Engineers from R&D organizations/Industry

Registration Fee

Research Scholars	Rs. 500/-
Faculty members	Rs. 1000/-
R&D organizations/Industry	Rs. 2000/-

Participants may please send the registration form duly filled along with DD in favor of “**AWON-2014**” payable at **Allahabad**. Registration fee includes workshop kit, course material, lunch and dinner for all days of course. No T.A., D.A. will be paid to the participants The registration fee does not include the accommodation charge. The institute offers limited accommodation facility on payment basis at the institute Executive Development Centre (EDC) / Hostels.

The interested participants should apply on the prescribed format along with the registration fee, which should reach to the course coordinators or scanned copy of the signed registration form may also be e-mailed at: awonmnnit@gmail.com by **May 01, 2014**. The selection of participants will be confirmed through email/phone/Fax.

How to reach Allahabad

Allahabad is well connected with flights, rail and road transport to the other parts of the country. The Bamrauli airport is 15KM from heart of the city and air link is available from Delhi Mumbai only. Air-connectivity to other parts of India is available from Lucknow (200KM) and Varanasi (130KM). UPSRTC buses connect Allahabad to most of cities in the Uttar Pradesh. Allahabad is the headquarters of North Central Raliway and is the part of Howrah– Delhi grand rail network.

Patron

Prof. P. Chakrabarti
Director, MNNIT Allahabad

Chairman

Prof. H. Kar
Head, ECED, MNNIT Allahabad

Course Coordinator

Prof. Rajeev Tripathi,
ECED, MNNIT Allahabad

Course Co-Coordinators

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Important Dates:

Last Date for registration : 01-05-2014

Confirmation of participation : 10-05-2014

One Week Workshop On Advances in Wireless and Optical Networks (AWON-2014)

June 02-07, 2014

Sponsored by

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

Organized by

**Department of Electronics and
Communication Engineering**



**Motilal Nehru National Institute of Technology Allahabad
Allahabad-211004, India**

About the Institute

Motilal Nehru National Institute of Technology (MNNIT) Allahabad is an Institute with total commitment to quality and excellence in academic pursuits. With over fifty years of experience and achievements in the field of technical education, it has traversed a long way. With the enactment of National Institute Technology Act- 2007, the Institute has been granted the status of Institute of National importance. The Institute now offers nine B.Tech, 21 M.Tech degree programs, MCA,MBA, M.Sc. (Mathematics and Scientific computing) and MSW and Ph.D programs. The Institute has been recognized by the government of India as one of the centers for Quality Improvement programs for M.Tech and Ph.D in all the disciplines. It has been selected as a lead Institution under Word Bank funded Government Programme (TEQIP-I) (2002-2007) and again for (TEQIP-II) (2008-2013).

Objective

This workshop aims to bring together the researchers who are interested in Wireless and optical networking to share and discuss the latest research developments and innovative implementations in the design of smart network architectures, protocols, algorithms, services, and applications.

Course Outline

Wireless Networks

- Physical layer techniques: Challenges and improvement strategies
- Basic Technologies (IEEE 802.11, Bluetooth, Zig Bee, etc.) and their suitability for wireless networks
- Efficient MAC, network layer protocol design for wireless networks
- Routing mechanisms for wireless networks
- QoS and cross-layer optimization in wireless networks
- Mobility Management for wireless networks
- Communication protocol design and applications for wireless networks

Optical Networks

- Introduction to Optical Communication and Networks
- Fiber Optics Technology
- Optical LANs
- Optical WANs
- Wavelength Routing
- Optical Switching
- Performance evaluation studies
- Improvement of optical communication system using Metamaterials

Methodology

- Lecture Sessions
- Interactive Discussions and Presentations
- Lab Sessions

Speakers

Prof. P. Chakrabarti, MNNIT Allahabad
Prof. Sudarshan Tiwari, NIT Raipur
Prof. Rajeev Tripathi, MNNIT Allahabad
Prof. Govind Sharma, IIT Kanpur
Prof. Y.N.Singh, IIT Kanpur
Prof. S. S. Pathak, IIT Kharagpur
Prof. S.P.Singh, IIT-BHU, Varanasi
Prof. Vishnu Priye, ISM Dhanbad
Prof. Shekhar Verma, IIIT Allahabad
Prof. J.P.Saini, BIET, Jhansi
Dr. Manav Bhatnagar, IIT Delhi
Dr. Vivek Singh, BHU, Varanasi
Dr. Vivekanand Mishra, SVNIT, Surat
Dr. Mukul Kumar Das,ISM Dhanbad
Dr. Chiranjeev Kumar, ISM Dhanbad
Dr. Rajat Singh, IIIT Allahabad
Dr. Nitesh Purohit, IIIT Allahabad
Dr.Manish Singh,IIIT Allahabad
Dr.K.P.Singh,IIIT Allahabad

Department of Electronics and Communication Engineering MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD

REGISTRATION FORM

**One Week workshop
on**

**Advances in Wireless and Optical Networks
(AWON-2014)
Under TEQIP-II
June 02-07, 2014**

Name: _____

Designation: _____

Department: _____

Institute:/Organization _____

Highest Degree with specialization/ Branch: _____

Address For Correspondence: _____

Phone: _____ Mobile: _____ Email: _____

Accommodation Required: YES/NO

Registration Fee Details: Amount: _____

D.D. No. : _____ Date: _____

Issuing Bank Details: _____

Signature of Applicant with Date: _____

N.B.: The scanned copy of completed registration form and demand draft can be sent by e-mail to the course mail id: awonmnnit@gmail.com with a copy to the coordinator before by **May 01, 2014.**