



Centre for Interdisciplinary Research
Motilal Nehru National Institute of Technology Allahabad
Organizing one week TEQIP-II Sponsored Short Term Course
on

LASER AND ITS APPLICATIONS – LAP 2017
(MARCH 27-31, 2017)

Motilal Nehru National Institute of Technology Allahabad, Allahabad (MNNIT) is an Institute with total commitment to quality and excellence in academic pursuits. It was established as one of the seventeen Regional Engineering Colleges (Motilal Nehru Regional Engineering College, MNREC) of India in the year 1961 as a joint enterprise of Government of India and Government of Uttar Pradesh, and was an associated college of University of Allahabad. With over 45 years of experience and achievements in the field of technical education, having traversed a long way, on June 26, 2002 MNREC was transformed into National Institute of Technology with Deemed University status funded by Government of India. With the enactment of National Institutes of Technology Act-2007(29 to 2007), the Institute has been granted the status of institution of national importance *w.e.f.* 15.08.2007. The Institute now offers nine B. Tech., nineteen M.Tech. Degree Programmes (including part-time), MCA, MBA, M.Sc. (Mathematics and Scientific Computing) and Master of Social work (M.S.W.) programmes and also registers candidates for the Ph.D. degree.

Centre for Interdisciplinary Research (CIR): The Centre for Interdisciplinary Research (CIR) was established by MNNIT in order to promote cross-interdisciplinary research. In view of the dramatic developments in the field of Science and Technology based research, CIR has been established in the Institute to keep pace with current cutting edge research. One of the primary objectives of Institute is to provide best research and analytical facilities for its entire undergraduate, postgraduate, research scholars and faculty and to encourage research projects aimed at the development of new devices for various applications

Scope

The short term course on “**Laser and its Applications – LAP 2017**” is conducted to impart knowledge on fundamentals and various applications of lasers in research and industries.

Topics to be covered

1. Principles of Lasers and Types of Laser
2. Laser Optics and Laser Safety
3. Laser Spectroscopy
4. Laser-Material Interactions
5. Laser Material Processing [Laser Forming, Laser Machining, Laser Joining, Laser Additive Manufacturing and Laser Surface Treatment]
6. Laser for Optical Communication and Telecommunication
7. Laser Synthesis of Nanomaterials and Thin Films

The course shall focus on the fundamentals and various applications of lasers in research and industry. The course shall include lab visits also.

Eligibility

The course will be useful for the faculty members/ Postdoctoral Fellow/Doctoral students of Universities / Institutes / colleges. Limited number of M.Sc. students may also be selected. Faculty members/Postdoctoral Fellow/Ph.D. & M.Tech. students of MNNIT Allahabad will be encouraged to participate in the proposed course. Selected candidates will be informed through email.

Registration procedure

Candidates are required to send scanned copy of the duly filled registration form at the following email address:

animesh@mnnit.ac.in (AKO) OR nsisodia@mnnit.ac.in (NK)

They are also required to bring original copy (hard copy) of registration form at the time of registration at MNNIT Allahabad.

Accommodation to the participants may be given in guest rooms of hostels. There is no registration fee for attending this course.

Important dates: Last date Application: **March 18, 2017**; Intimation to the participants: **March 20, 2017**

Organizing Committee

Patron	: Prof. Rajeev Tripathi, Director MNNIT Allahabad
Chairman	: Prof. K. K. Shukla, Chairman Technical Committee CIR
Course Coordinators	: Prof. Vinod Yadava Dr. Naresh Kumar Dr. A K Ojha

Resource Persons : Eminent Experts from IITs/NITs other premium Institutions/Universities

Contact Details : Email: animesh@mnnit.ac.in (AKO), nsisodia@mnnit.ac.in (NK)
Phone No.: 09532830699 (AKO), 09454200193 (NK)

How to reach MNNIT?

Allahabad is connected to all major cities of India. MNNIT Campus is situated at a distance of around 3 km from Prayag Railway Station and 7 km from Allahabad Junction

Registration form overleaf

Registration form – LAP 2017

Name :
Designation :
Qualification :
Institution :
Mailing address :
Email :
Mobile :
Research experience (if any) in years :
Area of research :

Signature of the applicant

Forwarded by:

Head of the Department/Institution

Note: Please write one page write up on “why you need to attend this programme?”

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