

About Raipur

Raipur is the capital of one of the newly established Indian states, Chhattisgarh. One of the richest cities and the biggest iron market in India, Raipur is a major commercial hub for trade and commerce. Situated in the fertile plains of Chhattisgarh, Raipur is spread over 226 square kilometers. Apart from a vast development in industries, Raipur is equally growing in tourism. It is well connected by air and railways with the major cities in India. The most popular and visited places include, Energy Park, Gandhi Udyan, Purkhouti Mukhtangan, Burha Sarowar, Doodhadhari Monastery, Nandanwan Zoo, Mahamaya Temple, Vivekananda Ashram etc. These places offer a great understanding of Raipur's tremendous history and marvellous culture.

NIT Raipur

NIT Raipur started its journey as Govt. Engineering College; Raipur in the year 1956 achieved the NIT status, an Institute of National Importation, in the year of 2005. The Institute offers graduate and undergraduate programs in various engineering discipline.

Metallurgical Engineering Department

The Department of Metallurgical Engineering is one of the premier branches of the Institute serving to cater the need of trained manpower to the metallurgical industries located in and around central part of India since the time of its inception.

How to reach

The institute is 7 km from Raipur railway station and about 20 km from airport and is situated at GE road. Raipur city is well connected to major cities by air, train as well as by road.

Background about the workshop

The aim of this workshop is to give the attendees valuable tools to unravel the structural and micro or nanostructural parameters of samples and/or devices. Leading experts from various fields will share their noesis on diverse techniques, starting from the basic principles and including practical examples. The proposed program would attempt to explore various aspects of materials characterization in various fields including but not limited to: the phase and compositional identification/quantification, crystallographic structure, crystallite size and distribution, defect types, defect density, texture, residual stress, layer thickness, interface roughness, particle size distribution, electronic and optical properties of functional materials etc. Academics, industrial laboratory staff, engineers, researchers, scientists, educators and leading professionals in the field of metals and alloys, ceramics and glasses, semiconductors, nanomaterials, thin film, solar cells, batteries and advanced materials are encouraged to attend and learn how classical and novel structural, mechanical, opto-electronic methods can help in their work.

Key Speakers

- Dr. Joydip Joardar (ARCI, Hyderabad)
- Dr. Somnath Bhattacharya (IIT Madras)
- Dr. Mallar Roy (IEST, Shibpur)
- Dr. Snehanshu Pal (NIT Rourkela)

Who can attend

Final year UG/PG students, Research Scholars and Faculty Members, Industry people, with background in Metallurgical, Ceramics, Mechanical, and Chemical Engineering and also basic sciences (Physics, Chemistry and Bioscience etc).

Registration Fee Details (in INR)

Participants	Before January 15 th , 2016	After January 15 th , 2016
Students UG / PG / Research Scholar	500	750
Faculty	1000	1500
Industry Delegates / Others	2000	3000

Number of participants is limited to 50. Applications in prescribed format with registration fee in the form of Demand Draft drawn in favour of "Director, NIT-Raipur" should reach the convener on or before January 15th, 2016. Registration fee includes workshop materials, tea and lunch on event days. Accommodation may be provided in the institute's guest house/visitor's house/student hotels on payment and availability basis.

All the participants are requested to carry their own laptops for hands on training during the program.



Workshop on

**“Advanced Techniques in Materials Characterization”
Technical Education Quality Improvement Programme
(TEQIP-II) Sponsored on 22th- 23rd January 2016
Department of Metallurgical Engineering NIT Raipur**

REGISTRATION FORM

Name : _____

Designation : _____

Organization : _____

Qualification : _____

Correspondence Address : _____

Tel.: (O) _____ (R) _____

(M) _____

Fax No. : _____

E-Mail : _____

Registration Fee.

Paid herewith in the form of Cash _____

Amount : _____

Cheque/DD No. _____ Date : _____

Name of the Bank _____

Accommodation Required : Yes / No

Date : _____

Place : _____

Signature

Note :

- Cheque/DD should be in favour of Director, National Institute of Technology Raipur, payable at Raipur.
- Photocopies of registration form may be used.

CHIEF PATRON

Dr. S. Tiwari, Director, NIT Raipur

PATRON

Dr. S. Sanyal, Dean (R&C), NIT Raipur

CHAIRMAN

Prof. A.P. Rajimwale
Dean (Students' Welfare), NIT Raipur

COORDINATORS

Dr. Sudip K. Sinha
Dr. Manoj Chopkar

CONVENORS

Prof. Manwendra Tripathi

ORGANIZING COMMITTEE MEMBERS

Dr. M K Manoj
Dr. Sanjeev Das
Mr. Shailesh Tiwari
Mr. Anil Kumar
Mr. Vikas Mahto

Dr. Subhas Ganguly
Mr. Suresh Dua
Mr. Vikas Gadpale
Mr. Pragya N. Banjare
Mr. Neeraj Kumar

IMPORTANT DATES :

Early Registration : Before January 15th 2016
Intimation of Acceptance : Before January 15th 2016
Workshop : January 22nd-23rd 2016

ADDRESS FOR CORRESPONDENCE

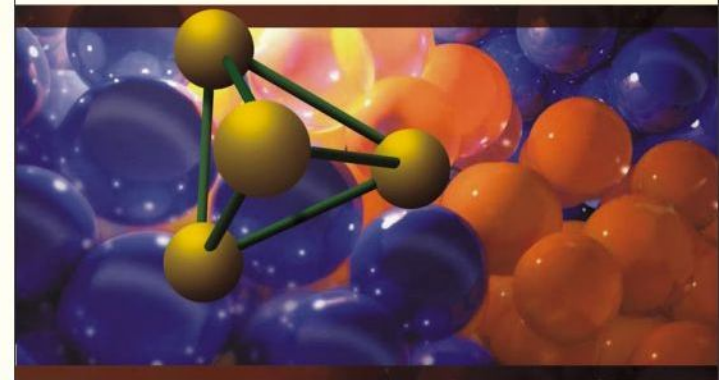
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Workshop on

**“Advanced Techniques in
Materials Characterization”
Technical Education Quality
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Organized by
Department of
Metallurgical Engineering



National Institute of Technology Raipur