TEQIP-III Sponsored

Online Workshop

on

"Advanced Techniques for Materials Characterization"

Dates: July 06-10, 2020

Online Mode: Through Microsoft Teams

Jointly Organized by

Department of Physics
&
Materials Research Centre

Malaviya National Institute of Technology Jaipur
Rajasthan – 302017, India.

www.mnit.ac.in

Who can participate?

Anyone from Indian universities, institutes, organizations, and industry personnel who are interested in learning about advanced techniques for materials characterization used in the broad areas of physics, materials chemistry, materials science, and engineering.

Aim and scope of the workshop

Lectures and analysis sessions on characterization techniques XRD, SEM, TEM, and AFM will be conducted. These techniques are widely used in experimental research in various streams of science and engineering. The scope of the workshop includes imparting basic and working knowledge of these characterization techniques along with hands-on experience on the data analysis and the interpretation of results. On successful completion, the students will be able to analyze their own/standard data using these technique(s).

The workshop will include 10 online sessions (tentative) on advanced characterization techniques. There will be two sessions every day and each session will comprise 2 hours' online lectures and 2-3 hours of home exercise /assignments (as needed) on the related topics.

Organizing Committee

Patron

Prof. (Dr.) Udaykumar R. Yaragatti

Director, MNIT Jaipur

Convenors

Prof. Kanupriya Sachdev,

Department of Physics and Materials Research Centre, MNIT Jaipur

Dr. Rahul Singhal,

Head, Department of Physics, MNIT Jaipur

and

Dr. Kamlendra Awasthi,

Coordinator, Materials Research Centre, MNIT Jaipur

Coordinators

Dr. Srinivasa Rao Nelamarri,
Dr. Manoj Kumar,
Dr. Anirban Dutta,
Dr. Subhayan Mandal,
Dr. Debasish Sarkar,

Department of Physics, MNIT Jaipur

and

Dr. Nisha Verma,

Materials Research Centre, MNIT Jaipur

About MNIT

Malaviya National Institute of Technology (MNIT), Jaipur, is one of the NITs established by Ministry of Human Resource Development, Government of India. The Institute, earlier known as MREC, was established in 1963 as a joint venture of the state and central Governments. Later in 2002, the college was given the status of National Institute of Technology and on August 15, 2007, proclaimed the Institute of National Importance through Act of Parliament. MNIT campus spreads over 325 acres of lush green area in the prime location of Jaipur city. At present, in addition to research, consultancy, and developmental activities, the Institute offers UG and PG (M. Tech./M.Sc. & Ph.D.) level courses to about 5000 students in almost all leading fields of engineering, technology, management, and sciences. MNIT Jaipur ranked at 35th position in NIRF 2020 Ranking.

Department of Physics

Department of Physics is an important Applied Science Department dedicated to imparting quality Physics education to students since the inception of this institute. The Department has the following objectives:

To impart high-quality Physics education to engineering graduates at all levels by introducing the latest curricula based on the present and future needs of engineering and technological education in the country.

To produce excellent post-graduate in Physics (M.Sc. Physics) who can take a lead role in basic & application-oriented research and development activities in industries and academia in the country.

Materials Research Centre (MRC)

MRC aims to harness the talent resources of MNITJ for promoting interdisciplinary research in appropriate materials technologies. It has been created with an objective of providing a central facility of latest and advanced analytical instruments for research in the application areas of physical, environmental, chemical, allied, and interdisciplinary sciences and Technology. MRC provides access to a wide range of state-of-the-art equipment necessary for materials characterization and synthesis, such as Nuclear Magnetic Resource, Transmission Electron Microscope, FE - Scanning Electron Microscope, Atomic Force Microscope, X-Ray Diffractometer, Mass Spectrometer, etc.

Prospective speakers

- **Prof. Rajesh Prasad**, IIT Delhi, India.
- **Prof. N. Prabhu**, IIT Bombay, India.
- **Prof. K. Rangra**, Former Chief Scientist, CEERI Pilani, and Visiting Professor, IIT Jodhpur, India.
- **Dr. Indra Sulania**, IUAC, New Delhi, India.
- **Dr. Samik Roy Moulik**, Icon Analytical Equipment Pvt. Ltd., India.
- **Dr. Sandeep Nagar**, National Application Specialist, Pananalytical, India.
- **Dr. Umesh Tiwari**, International Application Specialist, Pananalytical, Singapore.
- **Industry Expert**, Anton Paar, India.

How to Apply

Applicants are advised to follow the given instructions while registering for the workshop online on or before **July 04, 2020**.

Registration Fees & Mode of Payment

- Free for MNIT Jaipur students/faculty/staff
- Rs. 590/- for other institute students
- Rs. 1180/- for other Scientists/Institute Faculties/Postdoctoral Fellows and Industry personnel

The Registration fee includes 18% GST and is non-refundable. The registration is online-only, and no other mode of registration (by sending email) will be entertained. The applicable registration fees must be deposited online as per the below details:Bank Name: - State Bank of India (SBI)

Account Name: - The Registrar MNIT, Jaipur (TEQIP Phase-III)

Current Account No: - 36875887782

IFSC Code: - SBIN0015921

Branch:- MNIT Campus, Jaipur

Registration Form Details

After fee submission, the applicant must register by clicking on the link below:

Register Here!

All registration forms must be submitted by **July 04, 2020**.

Contact: mnit.phy@gmail.com