

# Workshop and National Seminar on Experimental Techniques for Materials' Characterization (February 06-07, 2020)

Organized by  
Centre of Material Sciences, University of Allahabad, Prayagraj  
Sponsored by The National Academy of Sciences, India

## Scope of the Workshop & National Seminar

The goal for this workshop is to provide a platform for training B.Sc. III, PG and Research scholars on modern tools utilized for exploring the Materials. Lecturers will be given by renowned scientists from prestigious institutes of India.

The National Seminar is for exchange of ideas among Experimental and Theoretical researchers and to review the progress made by researchers on the characterization front of materials. This seminar will cover experimental techniques which are used to explore the properties and application of materials. Seminar will consist oral lectures and poster presentation by the researchers. On behalf of the organizing committee, we invite you to participate in the Workshop and in Seminar.

## Experimental Techniques

Following experimental techniques will be covered with its principle of operation and applications towards exploring the properties of Materials:

X-ray Diffraction, Calorimetry, SQUID, VSM, Ion Beam Spectroscopies: Ultra Violet-Visible, Impedance, Raman, Infrared Scanning Electron Microscopy, Transmission electron Microscopy, Atomic Forced Microscopy

## Types of Materials

Seminar will explore the experimental techniques used to characterize following Materials in Bulk form and Devices :

Bio, Liquid Crystalline and Soft Materials, Polymers, Graphene & Carbon related Materials  
Magnetic, Magneto-resistive and Nano Materials  
Multi-ferroic & Optoelectronic Materials  
Organic Semi conductors and Theoretical studies

## List of speakers

Prof. O. N. Srivastava BHU  
Prof P. K. Bajpai GGV, Bilaspur  
Prof. B R Mehta IITD  
Prof. Sandeep Kumar RRI, Bangalore  
Prof. Rajeev Prakash BHU

Prof. Ravindra Dhar UoA  
Prof. Neeraj Khare IITD  
Prof. Krishna Prasad CENS Bangalore  
Prof. Ritu Srivastava NPL  
Prof. Anchal Srivastava BHU  
Prof. K. K. Raina DIT, Dehradun

## Organizing Committee

Prof. Ravindra Dhar, Dr. Manoj K Singh, Dr. Prashant Dubey, Dr. Brajendra Singh, Dr. Rajiv Giri, Saikumar Chirra, Abhinav Lal and Dr. Bishnu K Pandey

## VENUE

D. R. Bhattacharya Auditorium  
Near Centre of Material Sciences  
Science Faculty  
University of Allahabad

## Address for Correspondence

Prof. Ravindra Dhar (Convener)  
Centre of Material Sciences  
University of Allahabad  
Allahabad- 211002, INDIA  
Email: codms@allduniv.ac.in

The **Scientific Program** will be composed of lectures on characterization techniques and **Posters presentations** in the National Seminar on Materials' characterization. **MRSI Best Poster Awards** will be given to adjudicated posters.

**Information about Poster presentation:** The abstract of the research papers for poster presentation should reach the convener latest by **31 January 2020 to nsetmc2020@gmail.com.**

**Registration Fee:** Fees should be deposited by DD/cash in the name of **"Coordinator, Centre of Material Sciences"**

Students & delegates from educational institutes : ₹ 500.00

Delegates from public sector & industries: ₹ 1000.00

## REGISTRATION FORM

1. Name:
2. Affiliation:
3. Gender (M/F):
4. Mailing Address:
5. Mobile no. & E-mail id :
6. Category of participation:
7. Details of Registration fee:  
Mode of Payment  
(DD/Cash only)

## Centre of Material Sciences

The "Centre of Material Sciences" came into existence in the year 2009. More than 150 papers published in reputed refereed international journals. Several research projects including FIST from DST have been sanctioned to the Centre. Faculty members have individual international collaborations with Ireland, Poland, Spain, UK, France, South Korea and USA. Centre is presently running M. Sc. (Materials Science) and (Ph.D.) programmes. Several passed M. Sc. (Materials Science) students are doing their research work in prestigious institutes of INDIA, USA and TAIWAN.