



Workshop on Characterization of Advanced Materials



Organized by
Discipline of Metallurgy Engineering and Materials Science
Indian Institute of Technology Indore

Date: 26-27, June 2018

Objective:

The workshop focuses lectures and practical sessions on the advanced materials characterization techniques for enhancing the performance of component used for various applications. In this workshop experts from reputed organizations will deliver lectures on recent trends in materials characterization. In addition, There will be practical demonstration sessions of advanced characterization techniques. Dedicates can learn and have hands-on experience on advanced characterization tools available at IIT Indore.

Lectures by Experts:

- Professor D. S. Pandey, Department of Chemistry, Institute of Science, BHU Varanasi
- Professor M. Aslam, Department of Physics, IIT Bombay, Mumbai
- Dr. M.K. Tiwari, Indus Synchrotrons Utilisation Division, RRCAT, Indore
- Expert from Industries

Focused Techniques and Practical Sessions:

Spectroscopy:

- UV-Vis Spectrometer
- Fluorescence Spectrometer
- FTIR Spectrometer
- Raman Spectrometer
- NMR Spectrometer

Microscopy:

- Scanning Electron Microscope
- Optical Microscope
- Confocal Microscope

X-ray Diffraction:

- Single crystal XRD
- Powder XRD

Registration:

Deadline: June 15, 2018 (*limited seats, please register early*)

Registration Fee:

Rs. 1600/- : Students/Ph.D./Post-Doc
Rs. 3200/- : Faculty/Scientist
Rs. 8000/- : Industry Participants

Mode of Payment and Registration:

- Registration fee can be paid through the bank transfer or DD
(For bank transfer: Bank Name: Canara Bank; **A/C No. 1476101027440**; Branch: IIT Indore, Simrol Campus Branch; IFSC Code: CNRB0006223).
(For DD, should be in the favor of '**The Registrar, IIT Indore**' payable at Indore.
- Registration can be done through e-mail mentioning name, affiliation, contact details and proof of fee payment snapshot.

Accommodation:

Limited accommodation may be provided at IIT Indore (depending upon availability) on payment basis. Participant may contact directly to hostel@iiti.ac.in

Conveners:

Dr. Mrigendra Dubey
Assistant Professor

Dr. Ajay K. Kushwaha
Assistant Professor

Dr. Dharendra K. Rai
Assistant Professor

Discipline of Metallurgy Engineering and Materials Science (MEMS)
Indian Institute of Technology Indore, (IITI), Khandwa Road, Simrol, Indore, 453552, India

Contacts:



07324-306-542/532/682



wcam@iiti.ac.in