About the Workshop

The primary objective of this workshop is to provide an in-depth knowledge of state of the art "Functional Materials" to be employed for various applications for the development of science and technology. It will also provide a platform for young researchers to ponder their innovative ideas and discuss them with distinguished speakers. The current pandemic situation is resisting the experimental knowledge seeking thus it becomes of utmost importance to disseminate knowledge through online portals for pushing forward the science and technology.

Present generation is looking forward for a revolution in the existing technology through advancement in the various scientific and technological fields such as semiconductors, memory devices, display technology, sensors energy devices etc. In this workshop, invited talks of the speakers will mainly focus on:

- ✓ Energy materials for applications in renewable energy portable electronic devices and mobility.
- ✓ Materials for semiconductors industry for applications in data storage, fast processing memory devices, sensors and actuators.
- ✓ Materials for flexible electronic applications such as transparent and active matrix-based display, wearable sensor, OLED, 3D photo detection etc.
- ✓ Materials for integrated circuits, microprocessors etc. which find applications in internet of things (IOT), sensors, next generation computers, defence etc.
- ✓ Materials for bio-medical applications such as bio-sensors, disinfection applications, MRI contrast agents etc.
- ✓ Ion-beam irradiation of materials for modification in the material properties.

TEQIP-III Sponsored Online Workshop on Functional Materials

7th September, 2020
to
11th September, 2020

Organized by:
Department of Physics
Malaviya National Institute of Technology Jaipur
Rajasthan - 302017, India

www.mnit.ac.in

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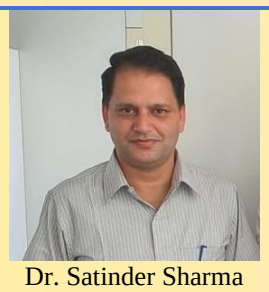
Last date of registration

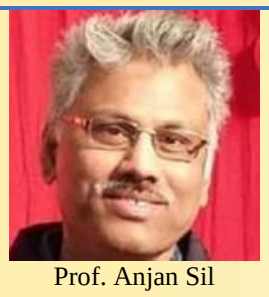
3rd September 2020

Tentative Speakers

Dr Bhagwati Prasad Joshi
University of California, Berkeley, USA

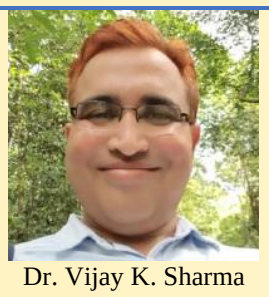


Dr. Satinder Sharma
IIT Mandi, HP



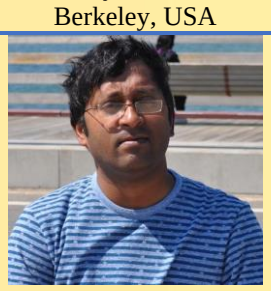
Prof. Anjan Sil
IIT Roorkee, Uttarakhand

Prof. Yogesh Sharma
IIT Roorkee, Uttarakhand



Dr. Vijay K. Sharma
Nanyang University, Singapore

Dr. Kuldeep Rana
CPRI Bengaluru



Dr. Vijay Raj Singh
Central University of South Bihar, Gaya

Dr. Bhupendra K Sharma
DST, New Delhi

Dr. Dinesh Shukla
UGC-DAE CSR, Indore, MP

Dr. M. D. Waseem Akhtar
Jamia Millia Islamia, New Delhi

Dr. Mukul Gupta
UGC-DAE, CSR Indore, MP

Dr. Fouran Singh
IUAC, New Delhi

About MNIT Jaipur

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 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 undergraduate and postgraduate courses (B.Tech., M. Tech./M.Sc./MBA & Ph.D.) to about 5000 students, in fields of engineering, architecture, science, management and humanities & social sciences. MNIT Jaipur ranked at 35th position in NIRF 2020 Ranking.

Registration Fee & Procedure

- ❖ Participants from MNIT Jaipur: **Nil**
- ❖ Students from another Institute: **Rs. 300/-**
- ❖ Scientists/Faculties/Postdoctoral Fellows from another Institute and Industry personnel: **Rs. 600/-**

Registration fee includes 18% GST and is non-refundable

The applicable registration fee 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.

After fee submission, save the payment receipt and register yourself by clicking on the link below:

Register Here

About Department of Physics

The Department of Physics is an important Basic and Applied Science Department dedicated to impart quality education at undergraduate and postgraduate level. The Department runs M.Sc. and Ph.D. Programs and offers Physics core and various open elective courses to B.Tech. students. Faculty members of the Department are actively engaged in various thrust areas of research in experimental as well as theoretical physics with national/international collaboration. The Department has the following objectives: To impart high quality Physics education to engineering graduates at all levels by introducing 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.