

WORKSHOP ON NANOSTRUCTURED MATERIALS

It is generally agreed that development of technologically relevant nanostructured materials will make nanotechnology the key technology of the 21st century. Their unique size leads them to have completely different properties compared to their bulk counterparts. Scientific and commercial interest in the manufacture of nanostructured materials has greatly increased since the discovery of their importance for numerous applications. By its very nature nanotechnology is inter-disciplinary and a combined effort of researchers from different fields like physics, chemistry, biology, engineering etc. is necessary for successful development and application of these materials. With this in mind, the department of physics, Mohanlal Sukhadia University, Udaipur is holding a one day workshop on nanostructured materials on 24th October 2009.

The aim of the workshop is to introduce important techniques used in the preparation and study of nanostructured materials for applications in physics, chemistry, biology, environmental sciences etc. The workshop is mainly aimed to acquaint young researchers and post-graduate students with latest trends and techniques in nanosciences and state of art facilities available in two national facilities in the country- Inter University Accelerator Centre (IUAC), New Delhi and UGC-DAE Consortium for Scientific Research (CSR) at Indore. The first day of the workshop will be combined with the acquaintance programme of IUAC facilities organized jointly by IUAC-MLSU. The second day's programme will be mainly to introduce facilities and research opportunities at CSR, Indore.

Topics

- Overview of Nanostructured Materials
- Atomic Force Microscopy of Nanostructured Materials
- Electron Microscopy of Nanostructured Materials
- Chemical Applications
- Electronic Band structure & Compton Profile Studies
- Transport & Dielectric Properties

Participation:

Research students in physics, chemistry, biology and environmental sciences interested in nanostructures and young faculty members interested in using IUAC and CSR, Indore, research facilities are welcome to participate in the workshop.

Registration:

Participants will be required to register by filling the registration form which can be downloaded from the university website : www.mlsu.ac.in

Registration fee:

Local Participants : Rs 100/- which includes breakfast and working lunch on 23rd October, 2009. Outstation Participants: Rs 500/- which includes accommodation for two nights. Local and outstation candidates applying for this workshop may also attend the IUAC acquaintance programme on 23rd October, 2009 where IUAC facilities for experiments in the area of materials science, nuclear physics, biology etc. will be discussed.

Registration fee must be paid in the form of Crossed Demand Draft in the name of **Coordinator DSA Programme, MLSU**, payable at Udaipur

Filled registration form along with registration fee must be send on or before 17th October 2009 to the following address

Dr. N. Lakshmi

Secretary WNM09
Department of Physics
ML Sukhadia University
Durga Nursery Road, Udaipur
Rajasthan 313001

Financial Support:

Second class Rail / Bus fare will be paid to the participants finding difficulty in arranging financial support from their institutions.

Address for Communication:

Secretary: Dr. N. Lakshmi, Department of Physics,
ML Sukhadia University, Udaipur.
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E-mail: nambakkat@yahoo.com

Convenor. Prof. K. Venugopalan (M) 9414161308
E-mail: venumlsu@yahoo.com



About Udaipur : Udaipur is a premier tourist city in south eastern Rajasthan known as the “city of lakes”. Surrounded by the Aravalli mountains and dotted with beautiful lakes, palaces and gardens, it has been recently voted to be one of the top most tourist spots internationally. Udaipur also has a number important educational institutions.

The Mohanlal Sukhadia University is a multi-faculty affiliating university with thirty three university

