

About the Workshop

The national workshop is primarily aimed to bring the researchers as well as Ph.D. scholars together to share their experience in both, the development and application of Scanning Probe Techniques. We have seen a dramatic rise of these techniques beginning with invention of scanning tunneling microscopy and atomic force microscope in early 1980s. Today, there exist different versions of scanning probe technology and those are widely used in areas as diverse as nanotechnology, oxides, superconductors, nanotribology and single molecules research in biophysics. The tremendous impact that these techniques have on the emerging new areas in all disciplines. It is important that young Ph.D. Students have an opportunity to listen eminent scientists who have contributed to the development and applications of Scanning Probe Microscopes.

Topics Covered

1. Scanning tunneling microscopy/spectroscopy in ambient conditions
2. Scanning tunneling microscopy/spectroscopy in low temperature physics
3. New developments in Scanning Force Microscopy/spectroscopy
4. Near-field scanning optical microscopy

Registration Fees

- Rs. 500/- : Students/Research Fellows
Rs. 1,000/- : Teachers from colleges / Universities/ Scientists from National Institute.
Rs. 1,500/- : Persons from Industry and others.

In case the form is submitted by e-mail, the D/D should accompany a copy of the registration form. Registration fee should be remitted by D/D in favour of "Indian Physics Association, Pune Chapter", payable at Pune.

Financial Assistance

Participants are requested to arrange for their own travel. Very limited funds for second sleeper class train fare will be available for deserving students, working without any fellowship. Request for such financial assistance along with a recommendation from the guide/HOD should be sent to the Convener of the National workshop.

Accommodation

Accommodation will be made available on request in the University and adjoining institutional Hostels and/or Guest Houses on payment basis.

About Pune City

Pune, the cultural capital of Maharashtra, is well connected to Mumbai and other major cities by train, road and air. It is known for rich culture and academic environment as large number of reputed teaching and research institutes are located in and around Pune. Weather in March is moderately warm.

Tentative List of Speakers

Prof. A. K. Raychaudhuri	SNBNCBS, Kolkata
Prof. D.D. Sarma	IISC, Bangalore
Dr. Murali Sastry	Tata Chemicals
Dr. S.M Shivaprasad	JNCASR, Bangalore
Dr. Pratap Raychaudhuri	TIFR, Mumbai
Dr. D.Kanjilal	IUAC , New Delhi
Prof. S.K. Kulkarni	Banasthali Vidyapeeth
Dr. D.M.Phase	UGC-DAE-CSR, Indore
Dr. Vasant Sathe	UGC-DAE-CSR, Indore
Dr. V. Ganesan	UGC-DAE-CSR, Indore
Prof. S.V. Bhoraskar	UoP
Prof. D.S Joag	UoP
Prof. S.V Ghaisas	UoP

National Workshop on "Scanning Probe Microscopy: Techniques and Applications"

Department of Physics,
University of Pune, Pune 411 007

March 11 – 12, 2011

REGISTRATION FORM

- 1) Name :
- 2) Sex : M F
- 3) Designation :
- 4) Organization :
- 5) Address for correspondence :
- 6) Accommodation required Yes No
- 7) Tel. No. :
- 8) Fax :
- 9) E-mail :
- 10) D.D. No. :

Signature



UNIVERSITY OF PUNE

National Workshop

on

"Scanning Probe Microscopy:
Techniques and Applications"

March 11 – 12, 2011

Organized by

**Centre for Advanced Studies in
Materials Science and Condensed
Matter Physics,
Department of Physics, University of
Pune**

In association with

Indian Physics Association
(Pune Chapter)

at

Department of Physics,

University of Pune,
Pune 411 007, India.

Patrons

Prof. Dr. R. K. Shevgaonkar

Vice-Chancellor,
University of Pune.

Organizing Chairman

Prof. Dr. Pandit Vidyasagar

Head, Department of Physics, UoP

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