

**SERC SCHOOL
ON
COHERENT OPTICS AND APPLICATIONS**

8 December 2003 to 27 December 2003

at

*The Applied Physics Department, Faculty of Technology and Engineering,
MS University of Baroda, Vadodara*

The Department of Science and Technology (Govt of India) sponsored SERC School on *Coherent Optics and Applications* will be held at the Applied Physics Department of Faculty of Technology and Engineering, MS University of Baroda from 8 December 2003 to 27 December 2003.

The aim of the school is not only to motivate young researchers and faculty members working on optics and related fields but also to introduce some of the latest and advanced level research topics on optics, which after the invention of lasers have spread tremendously into many fields ranging from computing to biology.

This **three-week** course will consist of a number of lectures on Atmospheric Optics, Biomedical Optics, Coherent and Incoherent Imaging, Fractional Fourier Transforms in Optics, Fourier Optics and Holography, Optical Information Processing, LIDAR, Optical techniques for Metrology and Testing, Optical Coherence Tomography, Nonlinear Optics, Coherence Theory and Applications, Optical Communications, Optical Computing, Quantum Optics, etc. In addition to theory lectures, the participants will be doing hands-on experiments on some of the above topics.

Some of the faculties for the school are, Prof. N. Mukunda, Prof. A. Selvarajan and Prof. R. M. Vasu (IISc, Bangalore), Prof. G. S. Agarwal and Prof. J. N. Desai (PRL, Ahmedabad), Prof. R. Simon (Matscience) and M. P. Kothiyal, IIT(M), (Chennai), Prof. R. S. Sirohi, Prof. Kehar Singh, Prof. Ajoy Ghatak, Prof. B. P. Pal and Prof. Thyagarajan (IIT Delhi), Dr K. C. Rustagi and Dr P. K. Gupta (CAT, Indore), Prof. B. M. Arora (TIFR), Prof. D. Narayana Rao (HU).

The research scholars, scientists and faculties who wish to attend the above SERC school should send their CV (including their research interests, publication list, postal address and e-mail) along with a write-up indicating why they are interested in attending the school to the school director. Selected participants will be provided local hospitality and round trip actual train fare limited to 3rd AC or First class from their respective places.

Address for correspondence regarding the school:

Dr C. S. Narayanamurthy, Director – SERC School on COHERENT OPTICS AND APPLICATIONS,
Applied Physics Department, Faculty of Technology and Engineering, The Maharaja Sayajirao
University of Baroda, Vadodara 390 001, Gujarat

E-mail: optisercschool2003@yahoo.com

Last date for receipt of application: 10 October 2003