

SERC School On
**Precision Spectroscopy of Atoms,
Molecules and Bose Condensates**

20 February – 12 March 2003

National Centre for Biological Sciences, Bangalore

Sponsored by
Department of Science and Technology, Government of India

The topics covered in the school are:

- Laser Cooling and Trapping
- Bose–Einstein Condensation
- Time and Frequency Standards
- Parity and Time-Reversal Violation in Atoms and Molecules
- Precision Measurement of Atomic Properties
- Single Atom Spectroscopy
- Cavity Quantum Electrodynamics
- Coherent Control
- Molecular Structure
- Photoassociation Spectroscopy
- Cold Collisions
- Single Molecule Spectroscopy

In addition, there will be laboratory sessions on General Laser Techniques, Hands-on Training for fabrication of Diode Lasers etc.

The lecturers will include experts from India and abroad.

Application Procedure:

This school is aimed at **Research scholars** and **Post-doctoral fellows** working in these areas. A limited number of final M. Sc. students will be considered. Participants will be paid to-and-fro train fare and all local expenses.

Applications should include biodata (with details of academic performance and research interests) and at least one letter of recommendation. Send in your application by **post/fax/e-mail**.

Address for communication:

Vasant Natarajan
Department of Physics
Indian Institute of Science, Bangalore 560 012

Tel: (080)-360 2237, Fax: (080)-360 2602
E-mail: sercschool@physics.iisc.ernet.in
Further details: <http://physics.iisc.ernet.in/~sercschool>

Last date for receipt of applications: **10 December 2002**