



Forty Second Refresher Course in Experimental Physics

Sponsored by

**Indian Academy of Sciences, Bangalore
Indian National Science Academy, New Delhi**

and

The National Academy of Sciences, India, Allahabad

This forty second Course will be held from 4 to 19 October 2012, at its premises of the Indian Academy of Sciences in Bangalore. Participants in this course will gain hands-on experience with about 25 experiments, some at the B.Sc. level and some at the M.Sc. level with a low cost kit developed for the Indian Academy of Sciences, Bangalore, and manufactured by Ajay Sensors and Instruments, Bangalore. Some advanced experiments in tracing phase transitions and in low temperature physics will also be included.

Refresher Courses in Experimental Physics held so far have been highly successful and the experiments have been included in the curricula of several universities in the South. Over one hundred kits have been sold and are used in universities and other high level institutions like the Centre for Excellence in Basic Sciences of the University of Mumbai and TIFR.

The total number of seats in the Course will be about 25; while the course is essentially meant for teachers in universities and colleges, a few seats will be available for students of III B.Sc. and I M.Sc. Physics courses.

Interested applicants must send their detailed bio-data including name, gender, date of birth, educational qualifications, office address, mobile telephone number, e-mail address, a statement as to why they would like to attend the course and its usefulness to their career, and (in the case of faculty) teaching and research experience and a list of published papers if any. The application should be sent to

Sri G. Madhavan

Coordinator, Science Education Programme
Indian Academy of Sciences
C.V. Raman Avenue
Sadashivanagar
Bangalore 560 080
e-mail: madhavan@ias.ernet.in

In the case of teacher applicants, the application should be forwarded by the Head of the Institution stating that leave will be sanctioned if the applicant is selected for the course. Selected participants will be intimated by e-mail by early August 2012.

Selected participants will be paid the actual to and fro railway fare not exceeding three-tier AC fare. Boarding and lodging in Bangalore will be taken care of by the Academy.

Last date for receiving applications will be **20 July 2012**.