



Fifty-Third 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 fifty-third Course will be held from 7 to 23 November 2013 at the premises of the Indian Academy of Sciences in Jalahalli, Bangalore. Participants in this course will gain hands on experience with about twenty five out of forty experiments, including some advanced experiments at post-M.Sc. level, with a low cost kit developed for the Indian Academy of Sciences, and manufactured by Ajay Sensors and Instruments in Bangalore. These experiments are in (a) mechanics, (b) heat, (c) electricity both DC and AC, (d) magnetism, (e) optics, (f) relaxation, (g) phase sensitive detection technique, (h) non-linear dynamics and (i) phase transitions. Some of the experiments are at the B.Sc., some at the M.Sc. and some at the post-M.Sc. levels.

Refresher courses in Experimental Physics held so far have been highly successful and the experiments have been included in 80 institutions including universities, autonomous colleges, and advanced scientific institutions involved in education. Over 1200 participants have been trained so far and more than a hundred kits have been sold.

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. It has been brought to our attention that teachers in universities/Colleges who attend Refresher Courses of two-week duration are also entitled to be considered for promotion.

Interested applicants must submit their applications ONLINE by clicking on the following link

<http://web-japps.ias.ac.in:8080/Refreshcourse/EXPHYJGH2013.jsp>

In the case of teacher applicants, a hard copy of the application should be forwarded to the Academy 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 around 15 September. They will be paid the actual to and fro train 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 **10 September 2013**.