



## Fifty-Eighth 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**

The fifty-eighth Course will be held from 8 to 23 April 2014, at the premises of the Indian Academy of Sciences in Jalahalli, Bangalore. Participants in this Course will gain hands-on experience with about 40 experiments, including some advanced experiments with a low cost kit developed for the Indian Academy of Sciences, and manufactured by Ajay Sensors and Instruments, Bangalore. These experiments are in (a) mechanics; (b) heat; (c) electricity; (d) AC; (e) AC bridge; (f) capacitance circuit; (g) magnetism; (h) relaxation; (i) lock-in amplifier; (j) nonlinear dynamics; (k) phase transitions and (l) optics. While some of these experiments are at the B.Sc. level, others are at the M.Sc. level.

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 institutions in the country.

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 application ONLINE by clicking on the following link

<http://web-japps.ias.ac.in:8080/Refreshcourse/EPHY13.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 **5 February 2014**. 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 **30 January 2014**.