
Science Academies' 93rd Refresher Course in Experimental Physics

at

Department of Physics, Indian Institute of Technology Patna, India
7–22 November 2017

Sponsored by

Indian Academy of Sciences, Bengaluru
Indian National Science Academy, New Delhi
The National Academy of Sciences, India, Allahabad

A Refresher Course in Experimental Physics will be held at the Department of Physics, Indian Institute of Technology Patna, Bihta, India from November 07–22, 2017 for the benefit of faculty involved in teaching undergraduate and postgraduate courses. Participants in this course will gain hands-on experience with about twenty five out of forty experiments, 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) relaxation, (f) phase sensitive detection technique, and (g) non-linear dynamics.

Refresher courses in Experimental Physics held so far have been highly successful and the experiments have been included in about 150 institutions including universities, autonomous colleges, and advanced science institutions involved in education. Over 1800 participants have been trained so far and more than 250 kits have been sold. Prof. C S Sundar, FASc, FNA, FNASc, (IGCAR, Kalpakkam) will be the Course Director and Prof. Utpal Roy, Department of Physics, IIT Patna, will be the Course Coordinator. It may be noted that UGC regulations include Refresher Courses in API scores for career advancement.

Applications are invited from teachers with experience in teaching undergraduate and postgraduate courses in Engineering and Physics. Motivated students of BSc and MSc Physics courses with keen interest in experimental physics may also apply. The number of seats will be about 30. Selected participants will be provided with travel assistance (limited to three-tier A/c train fare), accommodation and local hospitality during the course in addition to course material.

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

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

A copy of the application form signed by the applicant should also be sent by Post to the Course Coordinator, at the address given below. In case of teachers, the form must also be signed and stamped by the Head of the applicants Institution stating that leave will be sanctioned if the applicant is selected for the Course. A recommendation letter from a teacher is essential for student applicants. Scanned copies of the duly signed documents sent by e-mail will also be accepted.

Address for communication: Dr Utpal Roy, Course Coordinator, Refresher Course in Experimental Physics, Head, Department of Physics, Indian Institute of Technology Patna, Bihta, Patna-801103. Email: rcep-roy@iitp.ac.in, Phone: +91 612 3028030.

Last date for the receipt of applications: 30 September, 2017

Selected participants will be informed by: 05 October, 2017

