

## Science Academies' Refresher Course on Foundation of Physics

20 December to 2 January 2015

at IWSA Headquarters, Sector 10-A, Vashi Navi Mumbai 400 703

*Sponsored by* Indian Academy of Sciences, Bangalore,  
Indian National Science Academy, New Delhi  
The National Academy of Sciences, India, Allahabad

*Organized by* Indian Women Scientists' Association, Mumbai

The year 2014 has been declared as the **International Year of Crystallography (IYCr2014)** by the United Nations. To celebrate this event, the Indian Women Scientists' Association (IWSA) at Vashi, Navi Mumbai, is organizing a **Refresher Course** for college level Physics Teachers, sponsored by the three national science academies of the country.

The two week Course would cover some of the interesting topics in this area as well as other topical subjects relevant to graduate and post graduate courses, such as: Electricity and Magnetism, Thermodynamics and Materials Science, Lasers and Optics, Plasma Physics, Nanoscience and Technology and Physics Teaching. Experiments are also planned on some of the topics. An excellent pool of resource persons for lectures and experiments have been drawn from the UM-DAE Centre for Excellence in Basic Sciences (CBS), University of Mumbai, Bhabha Atomic Research Centre (BARC), and Homi Bhabha Centre for Science Education (HBCSE). The Course Director is Dr S. Kailas (CBS and RRF & Former Director, Physics Group, BARC). The Course is scheduled prior to the Indian Science Congress which would be held at University of Mumbai. According to the UGC Notification (No.F.3-1/2009 dated 30 July 2010) teachers attending Refresher Courses of two-week duration are entitled to be considered for promotion.

Applications are invited from teachers with experience in teaching undergraduate and post-graduate courses in Physics. Teachers who wish to participate in the Refresher Course may apply through proper channel with the following details: name, date of birth, gender, e-mail, official and residential addresses, telephone numbers, academic qualifications, courses taught, affiliation, positions held and tenure. It is also essential to submit a brief statement (between 250 and 500 words) as to why they think the Course will help to improve their classroom teaching of Physics. **Applications should be submitted ONLINE by clicking the following link** : <http://web-japps.ias.ac.in:8080/Refreshcourse/RCFP.jsp>

**A print copy of the application must also be sent by speed post forwarded by the head of the institution. It shall reach the Course Coordinator before 15 August 2014.** Selected candidates will be informed by **15 September 2014**. Outstation candidates will be provided local hospitality and round trip bus/train (three- tier AC) fare by the shortest route.

Course Director: Dr S. Kailas , Senior Scientist, DAE-Centre for Excellence in Basic Sciences, Mumbai

**Course Coordinator: Dr Lalitha Dhareshwar, Raja Ramanna Fellow, BARC, Mobile No.: 09324960210**

**Course Secretary: Dr. Devaki Ramanathan Mobile No.:9867373859.**

