

INTER UNIVERSITY CONSORTIUM for DAE FACILITIES, INDORE (IUC-DAEF)

ANNOUNCEMENT OF RESEARCH POSITIONS AT INDORE AND MUMBAI CENTRES

IUC-DAEF is an autonomous institution established by the UGC, New Delhi with headquarters at Indore and Centres at Indore, Mumbai and Calcutta. The Indore Centre is devoted to research in different aspects of synchrotron-based science and low temperature condensed matter physics, while Mumbai centre co-ordinates the neutron based research activities of university scientists at Dhruva Reactor, Bhabha Atomic Research Centre, Mumbai. IUC-DAEF is an active Research Institution involved in collaborative research programmes with DAE Institutions and Universities besides its own work and it also has an extensive visiting programme for academics from different institutions.

Structure, electronic and magnetic properties of bulk and thin film materials down to liquid helium temperatures and below are pursued at IUC-DAEF, Indore and Mumbai Centres using extensive facilities for X-ray and neutron diffraction, ESCA, EXAFS, Mössbauer spectroscopy, AFM, STM, DSC and macroscopic thermal, transport and magnetic measurements.

A number of JUNIOR RESEARCH FELLOWSHIPS (JRF) as well as a few SENIOR RESEARCH FELLOWSHIPS (SRF) and positions of RESEARCH ASSOCIATE (RA) are available to work on the various programmes. The fellowship amounts are presently as under: the rates are expected to be revised soon.

Junior Research Fellowship	Rs 2500 + HRA p.m.
Senior Research Fellowship	Rs 2800 + HRA p.m.
Research Associate	Rs 3300-3800 + HRA p.m.
<i>(depending upon qualification and experience)</i>	

A restricted number of seats are available at the hostel.

Essential Qualification for all these positions is a good M Sc degree in Physics from any recognized University/Institution. Persons appearing for M Sc (Phy.) final examination in the current academic year can also apply for JRF. In addition for a JRF the candidate must have passed the UGC-CSIR National Test and for an SRF a minimum two years research experience is essential. For the position of RA, the candidate must have completed his/her doctorate work or have comparable research experience supported by published work. RAs will be expected to work on on-going projects such as studies under high magnetic fields and low temperatures, soft X-ray spectroscopy, cryogen free superconducting magnets, etc.

The positions are purely temporary.

In exceptional circumstances, a scholarship may be offered to a candidate without having cleared the UGC-CSIR National Test at a reduced rate of Rs 1800/- +HRA per month subject to the condition that the candidate passes the said test within one year.

Interested persons should apply on plain paper giving the following information:

Name, date and place of birth, address for communication, academic qualifications (enclose copies of marks sheet for matriculation, B Sc and M Sc levels), whether passed UGC-CSIR Test and research experience, if any. The application for RA should also include a list of publications, copies of important reprints and names and addresses of two academic persons to whom reference can be made regarding research capabilities. The application must be signed and the candidate in employment should send it through the employer. The completed application in duplicate must reach *Director, Inter University Consortium for DAE Facilities, University Campus, Khandwa Road, Indore (MP) 452 017* on or before Friday, 5 June 1998. The envelope must be marked on top as "Application for JRF/SRF/RA".

After preliminary screening, the candidates for JRF, SRF and RA will be called for interview. Selection will be made on the basis of performance in the entrance test, interview and academic record. Candidates called for interview will be paid to and fro 2nd class sleeper railway fare towards their travelling expenses as per rules. *Selected JRFs will be given training for one year comprising regular courses and laboratory work. Their performance will be monitored by regular tests, seminars, viva voce, etc. After successful completion of the course work they may register for Ph D.*