Saha Institute of Nuclear Physics

Positions for Post-Doctoral Fellow and Scientific Officer at the Indian Beamline at Photon Factory, KEK, Tsukuba, Japan

An Indian beamline will be set up at ‘Photon Factory’ synchrotron facility (http://www.kek.jp/intra-e/press/2008/PFMoU.html) in Japan for catering to the need of Indian scientists in the subject areas of (i) Powder diffraction including diffraction from nanomaterials at various sample environments like low/high temperatures and high pressures. (ii) Diffraction from single crystals including epitaxial multilayers. (iii) X-ray reflectivity and diffuse scattering from solid and liquid surfaces/interfaces. (iv) Online growth and structural characterization of thin films and nanostructures using dedicated UHV system and (v) Small angle X-ray scattering from bulk materials and interfaces. The development and utilization of this Indian beamline is funded by Department of Science and Technology (DST), Govt of India through Nano-Mission Council with Saha Institute of Nuclear Physics as the nodal institute for the project.

Applications are invited from eligible candidates (Indian nationals only) on plain paper to work on the project. Candidates with Ph.D. degree will work as ‘Post-Doctoral’ fellow for a minimum period of one year to carry out developmental activity and to provide scientific support in the experiments at the Indian beamline. This candidate may or may not possess any permanent position in India. A consolidated monthly fellowship of Japanese ¥ 315,000 will be provided to the selected candidate.

Application is also invited from eligible candidates ‘Not Holding’ a Ph.D. degree and working in a permanent position as Scientific Officer or Engineer for duration varying from 3 months to 1 year. The selected candidates will be part of the team developing the experimental station. The selected candidates will also have to maintain the beamline and have to provide technical support to the beamline users. A panel of personnel will be selected by a committee on the basis of qualification and experience in similar projects. Interested candidates should apply through proper channels with an updated CV and two letters of recommendations. An advanced copy may be send by e-mail. A consolidated monthly fellowship of Japanese ¥ 225,000 will be provided to the selected candidate.

Address for sending application: Principal Investigator, Indian Beamline at Photon Factory, Surface Physics Division, Saha Institute of Nuclear Physics, 1/AF, BidhanNagar, Kolkata 700 064, India. Candidates should also send a copy of the application by e-mail to india.japan@saha.ac.in. Last date of the application is 1 August 2009.