



Rolling Advertisement for Post-Doctoral Fellow

(School of Physical Sciences, NISER)

(Research Areas: Updated on 24th August 2018)

Applications are invited for Post Doctoral Fellow (PDF) positions in the School of Physical Sciences, National Institute of Science Education and Research, Bhubaneswar.

Educational Qualification: The candidates should have a Ph.D or equivalent degree in Physics from a reputed and recognized Institute or University covering any of the following research areas. Those who have submitted their Ph. D thesis in one of the fields mentioned below are also eligible.

Research areas: String theory, AdS/CFT duality and black hole physics; Quantum Field Theory, QCD, Relativistic dissipative fluid dynamics, Applications of Magneto hydrodynamics and Transport properties of QCD matter; Condensed matter theory, Statistical mechanics, disordered systems, applications to constrain satisfaction problems in computer science and modeling sub-cellular processes; Quantum information theory; Multiscale modelling for real solids: Skyrmionics, spin-orbitronics, ultrafast magnetisation dynamics; Topological insulators, Dirac semi-metals; Floquet topological phenomena; Experimental condensed matter physics, Ion implantation/accelerator based experiments, experimental work in magnetism and superconductivity in hybrid thin-film structures; Experimental high energy physics; Cosmology, Cosmic Microwave Background Radiation and 21 cm emission.

Fellowship and Benefits: `32,000 - `38,000/- + HRA and Contingency as per DAE norms

The position is purely temporary, and appointment made for a year at a time and extendable to a maximum tenure of three years upon satisfactory academic performance. The postdoctoral fellows selected are expected to work with a specific research group at NISER depending on mutual research interest, however in exceptional cases they can also work independently if the infrastructural requirement supports such an arrangement.

Candidates should send in their applications and arrange for the recommendation letters to reach the Chairperson of the School of Physical Sciences through email: cpsps@niser.ac.in

The applications should have the following documents:

- (a) A covering letter that mentions the specific research area outlined above they would like to be considered in.
- (b) A detailed academic CV, list of publications and names of two academic referees.
- (c) A statement of research interests.

The candidate should arrange for the letters of reference to reach the chairperson of the school by email within two weeks of the date of application. The candidates who are short-listed based on their CV, research statement and letters of recommendation could be interviewed either in person or through video/internet conferencing before the final selection is made. The positions will remain open until suitable candidates are found.
