Applications Invited for a Post-doctoral or Research Assistant Position

in the Computational Materials Physics Group

The Department of Physics at School of Natural Sciences, Shiv Nadar University (SNU), India, has a postdoctoral/research assistant position available in the Computational Materials Physics (CoMP) Group. The CoMP Group aims to use computational approaches to design, explore and predict materials which hold promise in the field of opto-electronics and energy storage and generation. It works in close collaboration with experimentalists at SNU and IIT Bombay. It provides them theoretical support as well as inputs for potentials materials on the basis of rational designing and extensive investigation, prior to synthesis and characterization. The current research projects of the Computational Materials Physics focus on:

a) Investigation of structure-performance correlation in organic semiconductors through computational to experimental characterizations

b) Modeling and simulations of low-dimensional materials

c) Study of potential materials for anode and cathode of batteries

Shiv Nadar University offers candidates the opportunity to work in a dynamic and highly interdisciplinary environment. For more information on the Department of Physics and the ongoing research, please visit:

http://www.snu.edu.in/naturalsciences/natural_sciencesphysics.aspx

Essential Qualifications:

For a Postdoctoral Position: Ph.D. in Physics or Materials Science

For a Research Assistant Position: M.Sc./ B.Tech. in Physics/ Materials Science


To Apply: Send your CV and 2-3 letters of reference by Monday, 3 November 2014 to: HR@snu.edu.in

Shiv Nadar University (www.snu.edu.in) is a multi-disciplinary research university, established by the Shiv Nadar Foundation in 2011 through an act of the State of Uttar Pradesh, India. It is built on a spacious 256 acres fully-residential campus, on NH-91 in Tehsil Dadri, District Gautam Buddha Nagar, U.P., at the outskirts of Delhi. The University is driven by its distinguished faculty in natural sciences, humanities and social sciences, engineering, management & entrepreneurship, communication, education, art and design. The Physics department at SNU is an active and growing research center focusing in the
fields of experimental and theoretical condensed matter physics, nano-technology and development of novel materials for energy and environmental applications, high energy physics, and biophysics.

Computational facilities at Shiv Nadar University include “Magus” a high performance IBM cluster consisting of 32 nodes, 512 cores delivering 332.8 Giga flops with each node and a theoretical peak performance of 10.649 TF over all compute nodes. There are also nodes with GPU processors. Additionally several stand-alone Linux computers are used for teaching and research purposes, and as license servers. A modern multi-storey university library building provides students and faculty an environment for self-study, discussions and collaboration. Library collections can be accessed remotely and the library catalogue searched from any terminal on campus.

Shiv Nadar University does not discriminate on the basis of race, caste, gender, religious affiliation or citizenship. The positions are available immediately, but starting dates are negotiable. The post-doctoral fellow will receive a consolidated stipend, depending upon qualifications and competitive with other research institutions, in accordance with the norms of the University.