

SHIV NADAR UNIVERSITY, SCHOOL OF NATURAL SCIENCES, DEPARTMENT OF PHYSICS

APPLICATIONS INVITED FOR A PROJECT JUNIOR RESEARCH FELLOW / PROJECT ASSOCIATE-I (PHYSICS / MATERIALS SCIENCE / DEVICE PHYSICS OR A RELATED FIELD)

Applications are invited for the post of Junior Research Fellow / Project Associate-I in an UGC-DAE CSR funded research project (CSR-IC-BL-50/CRS-167/2016-17) on “*Tailoring Ge doping in GaSb film for phase change memory applications*” under the supervision of Dr. Alope Kanjilal, Department of Physics, School of Natural Sciences, Shiv Nadar University (SNU), UP 201314. [For more information please visit Dr. Alope Kanjilal’s home page: http://snu.edu.in/naturalsciences/Alope_Kanjilal_profile.aspx].

Essential & Desirable Qualification: The applicant must have M.Sc. degree in Physics from a recognized University with a minimum of 55% marks or equivalent grade. It is preferable that the candidate is GATE/NET-JRF/Lectureship qualified (attach a copy of the score card).

Remuneration: As per UGC-DAE-CSR norms, Rs. 25,000/- p.m. plus HRA as permissible (for GATE/NET qualified candidates).

In case suitable candidate is not found, candidates without GATE/NET may be considered for the post of project fellow with remuneration of Rs. 14,000/- p.m. plus HRA.

Duration: One year (extendable up to 3 years based on performance and availability of funds)
Note that the post is purely temporary in nature.

Project Description: The primary aim of the project is to understand the fundamental mechanism involved behind the proposed GaSb-based phase change memory devices with Ge doping.

Nature of Study: Thin film deposition, doping, structural and chemical analyses, fabricating devices and investigating electrical properties.

Eligible and interested candidates may send their application with a complete CV (with details of qualifications, photocopies of mark sheets/ testimonials/ certificates and a recent passport size photograph) and also mentioning research experience in the respective field, if any, to reach the following office **before 15 February 2017**:

Dr. Alope Kanjilal
Associate Professor, Department of Physics
School of Natural Sciences, Shiv Nadar University
NH-91, Tehsil Dadri
District Gautam Buddha Nagar,
UP 201314, India.

Please use PIN 201314 for Speed Post or registered post, and PIN 203207 (Dadri) for courier services.

Email: aloke.kanjilal@snu.edu.in (candidates can email before sending their documents by post)

Short-listed candidates will be called for interview at the SNU campus or via Skype. No TA/DA will be provided for appearing in this interview.

General Information about SNU (<http://www.snu.edu.in/>)

SNU is a multidisciplinary research-led university, established by the Shiv Nadar Foundation in 2011 through an act of the State of Uttar Pradesh, India. SNU's mission is to develop and educate the

leaders of tomorrow; to support research and scholarly endeavors that contribute to the creation of new knowledge; and to run research and teaching programs that tackle the most pressing problems of India and the global community. The University offers a wide range of academic programs at the undergraduate, post-graduate and doctoral level.