

School of Physics

Junior Research Fellow

Advt.No.

Applications are invited for the position of Junior Research Fellow (JRF) under a project funded by the Science and Engineering Research Board (SERB), DST, Government of India.

**Post Title:** Junior Research Fellow

**Project Title: Nanoscale Schottky junctions for sub ppm hydrogen detection.**

**Project Description:** Electron beam lithography fabrication and electrical transport characterization of Pd/Si nanoscale Schottky Junction diodes for hydrogen detection applications.

**No. of position(s):** 1

**Eligibility:** Indian nationals with MSc in Physics/Materials Science with 55% marks and qualified in a National Level Examination (e.g. CSIR-UGC NET or GATE or JEST or equivalent). (*Applicants with previous research experience and/or published research work will be given preference.*)

**Age:** The upper age limit shall be 28 years on the day of application. A relaxation of 5 years is applicable to candidates belonging to SC/ST/OBC and women candidates.

**Salary:** Rs 16000/-pm + HRA for first two years & Rs.18000/- pm + HRA for third year.

**Duration:** One year (extendable upto Two more years, on review of performance)

**Application Deadline:** 25 October, 2014.

**How to Apply:** Please send the following via e-mail as a single PDF file to [j.mitra@iisertvm.ac.in](mailto:j.mitra@iisertvm.ac.in) with the subject "JRF Application"

1. Completed applications in the format provided with this advertisement.
2. A short research statement (maximum 1 A4 page) of how the applicant's qualifications/experience suit the requirements of the project.

Arrange for 2 letters of recommendation to be sent directly to [j.mitra@iisertvm.ac.in](mailto:j.mitra@iisertvm.ac.in) with the subject "Application for SERB JRF – Candidate name".

Informal inquires may be directed to Joy Mitra, e-mail: [j.mitra@iisertvm.ac.in](mailto:j.mitra@iisertvm.ac.in), Phone: +914712598408

Note: Mere fulfilment of qualifications/experience requirements does not entitle a candidate to be called for interview. Only shortlisted candidates will be called for telephonic and/or personal interview. The selected candidate will be intimated by post/email. No correspondence whatsoever will be entertained from candidates regarding reasons for not being called for interview, conduct and result of interview. No TA/DA is permissible for attending the interview.

REGISTRAR

IISER-Thiruvananthapuram