

We are hiring!

Position: Project Associate-II

Applications are invited for the position of Project Associate-II under a joint project between TIFR Hyderabad (TIFRH) and DRDO in G. Rajalakshmi's lab at TIFRH.

Description of the project: The project involves the development of a magnetometer sensor package for atomic magnetometer with sensitivity in the femto Tesla range. Recently, G. Rajalakshmi and colleagues have demonstrated pico-Tesla sensitivity in an atomic magnetometer at room temperature in the frequency range of 1-50 kHz. The project aims to extend the sensitivity of this magnetometer to the femto-Tesla scale and develop a dc cum ac magnetometer for geophysical application. The validation of the design for a probable device will also be carried out in collaboration with DRDO Young Scientist Lab (DYSL-QT, Pune). A joint experience certificate from TIFR Hyderabad and DYSL-QT will be provided on successful completion of the project. For more details on the project, please contact G. Rajalakshmi (raji@tifrh.res.in).

No. of positions: 01

Project duration: 1 year (extendable upto 18 months subject to the satisfactory performance)

Salary: Rs. 35,000 fixed per month + Admissible HRA.

Eligibility criteria:

Essential qualifications: M.Sc. in Physics or Bachelor /Masters degree in technology in relevant engineering branch or equivalent with minimum of 60% marks or equivalent CGPA.

Desired qualifications:

1. Prior experience in handling optics, diode laser and measurement devices
2. Familiarity with Matlab/Mathematica

How to apply:

Interested candidate is requested to apply with their CV and a short write-up (about 500 words) describing their research interests via email to raji@tifrh.res.in with the subject marked as "Application for Project Associate- II". Please list names and email addresses of 2 referees in the application.

Last date to apply: January 31, 2023

Lab webpage:

<https://quansemar.wordpress.com/>

