Indian Institute of Science Education and Research (IISER) Bhopal

Junior Research Fellow/Research Associate-I at IISER Bhopal

Applications are invited from Indian nationals for a post of "Junior Research Fellow" or "Research Associate-I" in the MHRD-STARS sponsored project "Diamond Quantum Sensors for Nanomagnetometry of Magnetic 2D Materials"

Project description:

The project involves development of a next generation magnetic microscope that exploits atom-like defects in diamond as quantum sensors to achieve very high sensitivities and nanoscale resolution required for probing magnetism in few-layer 2D materials on the nanoscale.

Duration:

Initially for 3 months (Extendable up to two years with satisfactory performance)

Last date for applications:

The selection will commence on 31st August 2020, but the call will remain open until suitable candidates are found.

Essential Qualifications:

Junior Research Fellow: M. Sc. in Physics or related disciplines with good academic record (first class/division or minimum CPI of 7.0/10.0). Candidates having experience with 2D Materials, Quantum Information, High Pressure Research and Programming in LabVIEW will be preferred. Candidate must have qualified a National Eligibility Test (UGC, CSIR, LS, GATE, etc.) with a valid rank/score at the time of applying for this post.

Research Associate-I: PhD in Quantum Physics/Condensed Matter Physics with good academic record. Candidates having experience with 2D Materials, Quantum Information, High Pressure Research and Programming in LabVIEW will be preferred.

Salary:

Junior Research Fellow: Rs. 31,000 p.m. + HRA (16%)

Research Associate-I: Rs. 47,000 p.m. + HRA (16%)

How to Apply:

Applications containing cover letter, a detailed CV, name and address of 2 referees as well as a brief writeup on any research work experience should be sent by email ONLY to phani@iiserb.ac.in on or before 1 7 August 2020. Shortlisted candidates will be called for an interview. For more details and context, see the homepage of Dr. Phani Kumar.