

हरीश-चन्द्र अनुसंधान संस्थान

(परमाणु ऊर्जा विभाग, भारत सरकार)

छतनाग मार्ग, झूँसी, प्रयागराज (इलाहाबाद) - 211 019

Harish-Chandra Research Institute

(Deptt. of Atomic Energy, Government of India)

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पत्रांक: एच.आर.आई. No.HRI/

दिनांक/Date:

1.4.2021

Employment Notice (Project) No. 04/2021

Harish-Chandra Research Institute (HRI), an Autonomous Institute under the Department of Atomic Energy, Govt. of India, wants to fill up an immediate opening of Research Associate (RA) position on contractual basis under the National Supercomputing Mission (NSM-DST) Project (DST/NSM/R&D_HPC_Applications/2021/13) entitled "Efficient Hydrogen Generation Through Improved Catalytic Pathway Prediction on Layered Materials" of Dr. Sudip Chakraborty (IIT Indore as PI) and Prof. Prasenjit Sen (HRI Prayagraj as Co-PI). Candidates are expected to work on Development and Application of Density Functional Theory (DFT) based Computational Screening for two-dimensional (2D) energy materials, where code development experience in C and Python, along with expertise in DFT simulations would be required. A good knowledge in theoretical and computational aspects of DFT, and energy landscape and transition pathway prediction would be given priority in the selection as desirable qualification. The selected candidate will be stationed in HRI, Prayagraj. (Dr. Chakraborty is expected to join HRI in early May, 2021). The initial contract will be for 1 year, which can be extended up to 2 years upon satisfactory progress. The tentative date of starting the project as R.A is June, 2021.

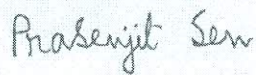
Essential qualification: The candidate should have a Ph.D Degree (awarded or thesis submitted) in Physics in the area of first-principles electronic structure calculations based on DFT. The candidate should have B.Sc. and M.Sc. degrees in Physics with a minimum of 60% marks or equivalent in both.

Desirable qualification: Demonstrable experience (published papers in peer-reviewed journals for example) in DFT calculations on 2D materials, catalysis, knowledge of energy landscape and transition pathway prediction formalism, programming knowledge in C and Python.

Upper Age limit: Candidate should be less than 35 years as on the last date of application.

Salary: Consolidated emoluments Rs. 47,000 per month. House Rent Allowance extra as per rules, if accommodation is not provided by the Institute.

Interested persons may send their detailed Curriculum Vitae with complete publication list along with testimonials and experience certificates on or before 27.04.2021 via email only to prasen@hri.res.in with '**Application for the post of RA**' as the subject line. Interview letter will be sent to the shortlisted candidates via email only mentioning the date of the interview.

A handwritten signature in black ink that reads "Prasenjit Sen". The signature is written in a cursive style and is positioned above a light blue rectangular stamp.

Co-PI, HRI