

Call for Project Associate-I

in

Local and global contact problems in elastic rods

Applications are invited from motivated and qualified candidates for the position of **Project Associate-I** to work on a SERB funded project entitled *Local and global contact problems in elastic rods*.

Job Description: A successful candidate will conduct research on contact problems in elastic rods. The scope of the research includes, but is not limited to, developing theories to solve for contact problems involving contact of elastic rods with self and external obstacles, developing numerical algorithms to construct solutions, and conducting table top experiments to validate predictions of the theory. The position is ideally suited for applicants with a background in solid mechanics, and a strong interest in theoretical and analytical work.

Eligibility: A B.Tech degree in Mechanics/Mechanical/Civil/Aerospace Engineering or allied areas, with strong interest in solid mechanics, is required. Candidates with an M.Sc. degree in Physics/Mathematics are also eligible to apply. A good candidate will have, in addition to the aforementioned qualifications, good communication and writing skills, and a working knowledge of *Mathematica/Matlab/Python*.

Duration: One year appointment, with a possibility of extension for another year based on performance.

Remuneration:

- (i) 31,000/- per month + HRA (if on-campus accommodation is unavailable) to Scholars who are selected through (a) National Eligibility Tests - CSIR-UGC NET including lectureship (Assistant Professorship) or GATE or (b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions.
- (ii) 25,000/- per month + HRA (if on-campus accommodation is unavailable) for others who do not fall under the category (i) above.

Application procedure: Interested candidates must apply [online](#). Applications sent through email will not be considered.

Deadline: 15th May 2024.

Contact: For any queries regarding the position, contact Harmeet Singh at harmeet.singh@iitgn.ac.in.