

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
Dept. of Physics

Dated: 8/11/2021

ADVERTISEMENT TO FILL UP PROJECT POSITIONS*

Applications are invited from Indian nationals only for project position(s) as per the details given below for the consultancy/research project(s) under the Principal investigator (Name: Shiladitya Sengupta), Dept./Centre Physics, Indian Institute of Technology, Roorkee.

1. Title of project Mesoscale modeling of amorphous solids for large scale simulation
2. Sponsor of the project National Supercomputing Mission, DST
3. Project position(s) and number 1 RA / SRF / JRF
4. Qualifications

RA: PhD with strong background in statistical mechanics, soft matter and associated numerical modelling.

- SRF / JRF:** MSc with strong academic background, including in statistical mechanics, soft matter and associated numerical modelling.

5. Emoluments

RA: 54000/- p.m. + HRA as per IITR rules

SRF: 35000/- p.m. + HRA as per IITR rules

JRF: 31000/- p.m. + HRA as per IITR rules

6. Duration 1 year, with possibility to renew for another 6 months based on performance.
7. Job description

1 Research Associate (RA) / Senior Research Fellow (SRF) / Junior Research Fellow (JRF) position is available at IIT Roorkee under a joint collaboration of IMSc Chennai, TIFR Hyderabad, IIT Roorkee and IIT Palakkad, within the scope of the National Supercomputing Mission - HPC application project titled "*Mesoscale modeling of amorphous solids for large scale simulation*".

Approved
Manish

The involved PI-s are : Pinaki Chaudhuri (IMSc-Chennai), Smarajit Karmakar (TIFR-Hyderabad), Shiladitya Sengupta (IIT-Roorkee), Vishwas V. (IIT-Palakkad).

The objective of the project is to develop coarse-grained models of amorphous plasticity, in conjunction with extensive microscopic simulations, for a multi-scale study of diverse mechanical properties of glassy materials.

For the RA/SRF/JRF position, we are looking for a candidate having a strong background in statistical mechanics, soft matter and associated numerical modelling.

Interested candidates are requested to send their CV-s to nsmproject1@imsc.res.in.

1. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
2. Candidates desiring to appear for the Interview should submit their applications with the following documents to the office of Principal Investigator through email, by post or produce at the time of Interview:
 - Application in a plain paper with detailed CV including chronological discipline of degree/certificates obtained.
 - Experience including research, industrial field and others.
 - Attested copies of degree/certificate and experience certificate.
3. Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.
4. Preference will be given to SC/ST candidates on equal qualifications and experience.
5. Please note that no TA/DA is admissible for attending the interview.

The last date for application to be submitted to office of Principal Investigator is rolling till the position gets filled or the project is over. (not applicable for walk in interview)

The date of interview will be notified to the shortlisted candidates directly. Candidates who have applied earlier need not apply again.

Tel: +91 (1332) 28 5738 Fax: +91 (1332) 28 6662

Shiladitya Sengupta
Name and signature
of Principal Investigator

Email: nsmproject1@imsc.res.in, shiladityasg@ph.iitr.ac.in

*To be uploaded on IIT Roorkee website and copy may be sent to appropriate addresses by PI for wider circulation.

Approved.

Manish
11 Nov 2021.