



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY POWAI, MUMBAI 400076.

Advertisement No.: IRCC/EXT216/2022

Job Title

Senior Research Fellow

Job Reference Number

50361945

Application End Date

22.09.2022

Type of Employment

Proj. Staff Contract

No. of Position(s)

1

IITB Project Recruitment:

Project title: High temperature Fracture Studies in Single Crystals - Experiments and Simulations.

About the project: Design, develop and perform high temperature experiments and finite element simulations related to fracture in single crystals.

Essential Qualifications & Experience:

BE/BTech/ME/MTech in Mechanical or Metallurgical Engineering selected through a process described through any one of the following:

a. Scholars who are selected through National Eligibility Tests - CSIR-UGC NET including lectureship (Assistant Professorship) and GATE.

b. The selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR, ICMR, IIT, IISc, IISER etc.

2 years of Research Experience is mandatory

Job Profile:

Work involves doing mechanical experiments and numerical simulations on the fracture of single crystals. Background in performing in situ experiments using DIC, thermocouples, optical and thermal imaging are preferred. Candidates with extensive experience in finite element simulations using Abaqus solver are strongly encouraged to apply. Strong background in the theoretical solid mechanics is required for working on this project.

Pay Details:

Consolidated salary Rs.35000/- p.m. + HRA (if applicable)

General information:

The position is temporary for a period of 1 year and tenable only for the duration of the project.

The appointment is for time bound project and the candidate is required to work mainly for the successful completion of the project. The selection committee may offer lower or higher designation and lower or higher salary depending upon the experience and performance of the candidate in the interview.

Candidates called for interview will be required to attend at his/ her own expenses.

For any queries/clarification please contact: recruit@ircc.iitb.ac.in