



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY POWAI, MUMBAI 400076.

Advertisement No.: IRCC/EXT185/2021

Job Title

Junior Research Fellow

Job Reference Number

50264963

Application End Date

22.11.2021

Type of Employment

Proj. Staff Contract

No. of Position(s)

1

IITB Project Recruitment:

Project title: Design fabrication and optimization of short-wave-infra-red lightemitting diodes(LEDs) based on molecular-beam-epitaxy (MBE)-grownGe/Ge_{1-x}Sn_x/Ge heterostructures

About the project: The project aims to fabricate (arrays of) near- and short-wave IR LEDs based on GeSn alloy.

Essential Qualifications & Experience:

MSc (Physics) and/or B. Tech (EE) required with 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

Job Profile:

The position requires the candidate to carry out Molecular Beam Epitaxy (MBE) for material development, and CMOS device processing for fabrication of LEDs.

Pay Details:

Consolidated salary Rs.31000/- p.m. + HRA

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

