Advertisement No.: IRCC/EXT419/2023

Job Title
Project Research Scientist

Job Reference Number
50516621

Application End Date
05.01.2024

Type of Employment
Proj. Staff Contract

No. of Position(s)
 1

IITB Project Recruitment:

Project title: Synchrotron imaging studies on high pressure die casting - manpower through collaborator

 About the project: The project involves performing numerical simulations of semi solid flow in alloy melts, under high pressure conditions. The work will also involve certain experimental analysis, and working in a team. Knowledge of modeling and simulations, particularly CFD based simulations, materials processing and phase change are essential.

Essential Qualifications & Experience:
PhD in Mechanical, Chemical and Materials Engineering, with expertise in the area of CFD simulations and Solidification. Understanding of solidification of alloys, and phase-change mechanisms is desired. Candidate must have a proven background in numerical simulations (CFD/Finite Element).

Optional: Experience in Discrete Element Modeling, Granular flows, multi-scale modeling are also considered. The work will require acquaintance with a programming language, and mathematical modeling. For queries, please reach out to s.karagadde@iitb.ac.in

Pay Details:
Level PR-O2: Salary range from Rs.42000 to Rs. 84000 + Rs.7500.00/- Out Of Campus Allowance (if applicable) p.m.

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