

Postdoctoral position available at MRC, IISc, Bangalore

There is an immediate opening for one postdoctoral position in the group of Prof. Abhishek Kumar Singh in the Materials Research Centre at Indian Institute of Science, Bangalore. The eligibility criteria and description of the positions are given below:

Position category and description:

PD-I: Postdoctoral position on the application of ML approach on structural safety.

Eligibility/Qualification:

- The candidates are expected to have or to soon have a PhD in Theoretical/Computational Materials/Metallurgy, or Chemistry or Physics. The candidates having PhD in Computer Science are also preferred.
- Experience with multiscale modelling, machine learning and big data analysis is desired.
- A good knowledge of computer programming is essential. The candidate should also have excellent writing and communications skills in English.

The successful postdoctoral scholar will have expertise in one or more of the following areas:

- Microstructure-Property-Processing Linkages, Finite element methods, Physics-based multi-scale models
- Development and implementation of AI/ML and Image processing techniques
- Molecular dynamics simulations and/or Density functional theory calculations
- Experience in Software packages such as Granta, Ansys, Abaqus, Dream3D, LAMMPS, VASP

How to apply:

Interested applicants should apply by email to abhishek@iisc.ac.in with a CV (PDF format preferred) and list of names and contact information of 2-3 references. Please mention the applicable position as the subject line, e.g., "Postdoctoral application (PD-I)". Salary will be as per IISc norms.

ThSim Website: <https://thsim.mrc.iisc.ac.in/>