



Postdoctoral
position in
constitutive modelling of orthotropic materials

Applications are invited from motivated and qualified candidates for one postdoctoral position in constitutive modelling of orthotropic materials.

Job Description: A successful candidate will conduct research along the broad theme of constitutive modelling. The scope of the research includes development of theoretical framework and numerical implementation of micromechanics-based damage models for orthotropic materials. The position is ideally suited for applicants with a strong background in solid mechanics, and a strong interest in theoretical and numerical implementation work.

Eligibility: A PhD in Mechanics/Mechanical/Civil/Aerospace Engineering or any allied area with a strong background in theoretical solid mechanics is required. Candidates who have submitted their dissertation are also eligible to apply. Preference will be given to candidates with a working knowledge of MATLAB/Python (any suitable programming language)/Abaqus. Good communication and writing skills are essential. An ideal candidate will also be independent minded, and capable of driving research into uncharted territory.

Duration: One-year appointment initially, will be extended for another year based on performance.

Remuneration: 50,000 INR per month + HRA (if on-campus accommodation is unavailable).

Funding agency: IIT Gandhinagar

Application procedure: Interested candidates must apply online ([Link](#)) with a CV. Applications sent through email will not be considered.

Mode of selection: Short-listed candidates will be called for an online interview.

Deadline: 17th May 2024.

Contact: For any queries regarding the position, contact Harini Subramanian at harini.subramanian@iitgn.ac.in. Applications will continue to be screened until a suitable candidate is selected.