Applications invited for postdoctoral positions

Applications are invited for **two postdoctoral researcher positions** for the project titled **"High-Performance Multiscale Topology Optimization Framework for Digital Manufacturing"** in the research group of **Prof. Tarun Gangwar** (website).

Job Title: Post-Doctoral Fellow

Duration: 12 months extendable by another 12 months based on performance and availability of funds

Remuneration: INR 50,000 per month + HRA (if on-campus accommodation is not available)

Essential Qualification: PhD in Civil Engineering, Mechanical Engineering, Aerospace Engineering, or related fields with a focus on computational solid mechanics (candidates who have submitted their dissertation may also apply)

Job Description: The successful candidate will work on the broad theme of multiscale topology optimization methods targeted for applications in additive manufacturing and digital construction. The scope of this work includes developing and implementing solution algorithms for path-dependent concurrent material and structure optimization methods of hierarchical structures. The prospective candidate must have a strong background in computational mechanics, finite element methods, and scientific computing. The current in-house computing framework is in Python/Julia; therefore, the candidate must have a working knowledge of Python/Julia. In addition, a good candidate is expected to have good communication and writing skills.

Application Procedure: Candidates must send their applications with the following documents in a single PDF file via this Google Form:

1. Cover letter explaining your suitability for the position
2. Detailed Curriculum Vitae
3. Copy of your best publication

This is a rolling advertisement until the positions are filled; however, applications received on or before **April 15, 2023** (11:59 PM) will be considered on priority.

Google form link: https://forms.gle/bADtKQpngdgAdBGq5

Please contact Prof. Tarun Gangwar (tarun.gangwar@iitgn.ac.in) for any queries.