Post-Doctoral Researcher Position in Computational Mechanics of Materials

Computational Mechanics Research Laboratory (CMRL)

Johns Hopkins University, Baltimore Maryland

The Computational Mechanics Research Laboratory (http://cmrl.jhu.edu/) at Johns Hopkins University is soliciting applications from outstanding candidates for a Postdoctoral Researcher position in Computational Mechanics of Materials and Integrated Computational Materials Engineering, to work in the field of Fatigue and Failure in Metallic and Composite Materials. Candidates must have a strong background and interest in computational solid mechanics, computational material science, physical sciences and mathematics and computational engineering & sciences.

The post-doctoral researcher will be working with Prof. Somnath Ghosh at Johns Hopkins University on projects by government agencies and industry. The research will involve multi-scale computational modeling of deformation and failure in polycrystalline and composite materials. The project will require computer model and code development, validation and simulations. The successful candidates will also be required to interact considerably with sponsors.

Qualifications:

- PhD in Mechanical Engineering, Civil Engineering, Materials Science & Engineering, Aerospace Engineering, Applied Mathematics, Computational Science and engineering
- Expertise in Computational Solid Mechanics, Computational Materials Science
- Experience in parallel programming and high performance computing
- Good knowledge of programming languages e.g. C, C++, FORTRAN, Python etc.

Contact:

Interested applicants should send a copy of their latest CV with a cover letter or email, names of at least three references, and a summary of recent work. All applications should be submitted electronically to:

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