

Positions for PhD Students and Postdoctoral Researchers

Positions for PhD students and postdoctoral researchers in the Computational Biomechanics Research laboratory (CBRL) at the University of Illinois, Chicago.

Postdoctoral Fellow

A postdoctoral position is available in the area of computational and experimental analysis of biological materials. The primary objective of this project is to use numerical and experimental methods to investigate the mechanical response of (bio-)composite structures.

The candidates must have already earned (or should soon earn) their PhD degree in Mechanical Engineering or in a closely related field. We are interested in a person who is highly motivated with a strong publication record and expertise in the area of mechanics of materials. Previous experience with computer programming (e.g. FORTRAN/C++), FEM, and multiscale modelling is highly desirable. The ideal candidate should possess interpersonal skills, integrity, and have a background (or be interested) in experimental methods.

The appointment is one year with possible renewal in the following year. Applicants are required to send the following documents to Prof. Hatami-Marbini (hatami@uic.edu) for consideration: a cover letter indicating their qualifications, a curriculum vitae including the names and contact information of three to five references, and a copy of at least three representative publications

The position is available with an expected start date of December 2016 but applications will be accepted until the position is filled.

PhD positions

Multiple PhD Positions in the areas of computational mechanics and biomechanics are available. The interdisciplinary projects at our laboratory require candidates with strong interests in computational and/or experimental methods. The applicants must have already earned (or should soon earn) their MSc degree in Mechanical Engineering, Biomedical Engineering, or in a closely related field. They should have strong previous background in experimental and/or numerical methods. Proficiency in English and good written and verbal communication skills are required. Excellent programming skills and experience with high performance computing and multiscale modelling are desirable. Highly qualified applicants will be considered for research and/or teaching assistantships.

The positions are available with an expected start date of Spring 2017 and Fall 2017.

Interested applicants applying for positions with a start date of Spring 2017 should send their curriculum vitae with the names and contact information of three references, a brief description of research interests, and copy of their representative publications to Prof. Hatami-Marbini (hatami@uic.edu). All other qualified applicants are encouraged to send their formal applications to the Department of Mechanical and Industrial Engineering at the University of Illinois at Chicago.

More information about the Computational Biomechanics Research Laboratory can be found at <http://cbrl.lab.uic.edu/>.