



University of Pittsburgh

Swanson School of Engineering
Department of Civil and Environmental Engineering

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Open PhD or MS/PhD positions in computational mechanics and inverse problems

Highly motivated PhD or MS/PhD candidates are sought for research in computational mechanics and inverse problems in the Department of Civil and Environmental Engineering at the University of Pittsburgh.

The student(s) will perform tasks related to the development of tools for the modeling of interactions between structures and their natural and manmade environmental conditions, as well as computational approaches to solve inverse problems related to the characterization and prevention of damage and degradation of such structures. He or she will have access to top notch research facilities, which includes the Pittsburgh Super Computing Center (PSC), and the opportunity to work with the highly reputable faculty members within the Swanson School of Engineering and out.

The successful individual will have attained a Bachelor's degree (for MS/PhD) or Master's degree (for PhD) in a related field of engineering and have strong interests, and preferably some background, in computational mathematics/mechanics, computer science (especially high performance computing), solid and fluid mechanics, inverse problems, and optimization.

Interested applicants should email their CV, a brief statement of research interests, and a potential start date to Professor John Brigham at brigham@pitt.edu for immediate consideration. Any questions regarding the position are welcomed and should be directed to Professor Brigham.

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