

**Opening for two new Ph.D. students in the Design & Uncertainty Quantification group, The University of Iowa.**

The *Design & Uncertainty Quantification* group at The University of Iowa, led by Professor Sharif Rahman, is looking for two new Ph.D. students, who are capable of and interested in performing high-quality research on solid mechanics, uncertainty quantification, and design optimization. The research, supported by U.S. National Science Foundation, requires building a solid mathematical foundation, devising efficient numerical algorithms, and developing practical computational tools, all associated with stochastic analysis and design of complex materials and structures. A substantial background in solid mechanics with coding experience in finite-element and/or isogeometric methods and optimization algorithms is necessary; exposures to uncertainty quantification and probabilistic methods are highly desirable.

If you are interested in pursuing a Ph.D. degree at Iowa, please contact and send a resume to Professor Sharif Rahman at [sharif-rahman@uiowa.edu](mailto:sharif-rahman@uiowa.edu). Please note that we are interested in students who already have M.S. degrees in engineering or applied mathematics. The precise admission requirements are listed at <https://me.engineering.uiowa.edu/graduate/mechanical-engineering-graduate-program/me-admission-requirements>. We will acknowledge all contacts if the aforementioned requirements are fully met.

The desired start date is Fall 2023 (preferred) or Spring 2024 at the latest.

Professor Sharif Rahman  
Dept. of Mechanical Engineering  
The University of Iowa  
Iowa City, IA 52242  
Tel: (319) 335-5679  
E-mail: [sharif-rahman@uiowa.edu](mailto:sharif-rahman@uiowa.edu)  
Website: <http://www.engineering.uiowa.edu/~rahman>