



PhD Openings in Aerospace Engineering at Auburn University

About This Position:

There is an immediate opening for a self-motivated PhD student (in **computational mechanics**) for Fall 2026/Spring 2027 admission in the **Aerospace Structures Reliability Laboratory** at Auburn University, working with Dr. Wen Luo.

Interested students should contact Dr. Wen Luo via E-mail at w-luo@auburn.edu with the following required materials:

CV, Transcripts, TOFEL/IELTS, GRE, and a brief introduction of research interests.

Desirable PhD applicants may have a background in Aerospace Engineering, Civil Engineering (Structures), Mechanical Engineering, Materials Engineering, and Applied Mathematics and Statistics. Prior experience in **computational mechanics, coding, and probability/statistics** are strongly preferred. A master's degree in the related field is also preferred.

Research thrusts:

The Aerospace Structures Reliability Laboratory (ASRL) is poised to 1) push forward the understanding of rare-event stochastic failures of advanced aerospace materials/structures, and to 2) design and manufacture super reliable structures for extreme and uncertain environments. We seek to bring together **reliability engineering, solid mechanics, and advanced materials and structures** for failure risk modeling in various engineering applications.

About the PI:

Dr. Wen Luo is an Assistant Professor in Aerospace Engineering at Auburn University. He previously held a postdoctoral appointment at the Space Structures Laboratory at California Institute of Technology and earned his PhD from Northwestern University in Theoretical and Applied Mechanics.

Lab Website: <https://sites.google.com/view/aerospace-reliability>

About Auburn University:

Established in 1856, Auburn University is a public land-grant research university in Auburn, Alabama. It has a strong reputation in the field of Aerospace Engineering, which is consistently ranked among the top 40 programs in the country.

Located only one and a half hours from Atlanta, the town of Auburn, Alabama offers loads of southern hospitality in a tight-knit community as well as lots of natural recreational areas. It is ranked as one of the Top 100 Best Places to Live in America.

