



## PhD Openings in Aerospace Engineering at Auburn University

### About This Position:

There is an immediate opening for a self-motivated PhD/MS student (Spring 2025) in the **Aerospace Structures Reliability Laboratory** at Auburn University, working with Dr. Wen Luo.

Students are welcome to contact Dr. Wen Luo at [w-luo@auburn.edu](mailto:w-luo@auburn.edu). Required materials:

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

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

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 composite structures used in extreme and uncertain environments. We seek to bring together **reliability engineering, solid mechanics, and composite materials** for the failure risk modeling of ultra-lightweight materials in various applications.

### About the PI:

Dr. Wen Luo is currently an assistant professor in the Aerospace Engineering Department at Auburn. Before joining Auburn, he was a postdoctoral research associate in the Space Structures Lab at the Graduate Aerospace Laboratories at California Institute of Technology (GALCIT). He obtained his PhD from Northwestern University in Theoretical and Applied Mechanics.

### **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.

