



PhD Openings in Aerospace Engineering at Auburn University

About This Position:

There are two immediate openings for PhD students (Fall/Spring 2024) 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 with your 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 probability and statistics, computational and experimental solid/structure mechanics, and composites are preferred but not required. A master's degree in the related field is also preferred.

Research Fields:

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 fabricate 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 and “reliability-based material by design” for ultra-lightweight materials in aerospace, automotive, and wind energy 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.