# Graduate Assistantship in Computational/Experimental Fracture Mechanics Applied to Advanced Materials (UT Arlington, MAE)

Laboratory for Integrity and Reliability of Advanced Materials (LIRAM) is looking for two fully funded Ph.D. students working on computational/experimental fracture mechanics for predicting and validating damage and failure in advanced materials, such as carbon fiber reinforced polymer composites, bio-inspired 3D printed materials, semiconductor materials, etc. The Ph.D. students are expected to work on both computational and experimental analyses. The students are to be enrolled in Spring 2024/Fall 2024.

Applicants should have B.S. degrees in subjects such as Mechanical Engineering, Aerospace Engineering, Naval Architecture and Ocean Engineering, Civil Engineering, and Material Science. A graduate student with an M.S. degree is preferred. Research experiences in the following areas will be a great advantage: composite materials (manufacturing/testing/analysis), FEA simulation (using Abaqus/Ansys/LS-Dyna/COMSOL/in-house codes), scientific coding (numerical algorithms, mesh generation, data visualization, etc.)

Interested applicants can visit Dr. Lin's home page for more information (https://www.uta.edu/academics/faculty/profile?username=lins2). To apply for this position, please contact Dr. Shiyao Lin ( shiyao.lin@uta.edu ) through email with a C.V. and transcript attached.

Contact: Prof. Shiyao Lin

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