



WICHITA STATE
UNIVERSITY
NATIONAL INSTITUTE
FOR AVIATION RESEARCH



NIAR CAREER OPPORTUNITIES

VIRTUAL ENGINEERING LABORATORY NIAR

The Virtual Engineering Laboratory at NIAR is looking for student assistants. Graduate students are preferred. Position could become a Graduate Research Assistant (GRA) position based on performance during the first semester.

The students applying for this position should have at least basic knowledge on Finite Element Methods (FEM).

Duties:

- Discretization of structural components to perform numerical analysis (FEM) (50%).
- Post-processing and documentation of numerical analysis results (Stress Analysis, Load Path Analysis, etc.) (20%)
- Create CAD geometry for structural components (15%)
- Support Senior Staff to create the numerical models (Material definitions, connections, etc.) (10%)
- Test specimen preparation/documentation to conduct mechanical testing (5%).

Tools to be used:

- Beta CAE, in particular: ANSA and META
- Hyperworks Altair, in particular: Hypermesh and Hypergraph
- CATIA V5
- Microsoft PowerPoint, Excel, and Word.

If interested, please send an email with your resume and a cover letter to the following email address:

Luis Gomez: luismanuel@niar.wichita.edu

About Wichita State University

Learn. Work. Live. Play. Envision a place where creativity, innovation and entrepreneurship are valued – where a living/learning ecosystem has been custom-made to nurture your success. It's a place where risk-taking and collaboration are not only accepted, but encouraged, and lessons extend beyond walls and campus boundaries to influence change on the grandest scale. Envision a place where tomorrow is being created today. If you have the passion, the creativity and the audacity to dream the biggest of dreams, your wait is over: The time is now and the place is Wichita State.