Notice

This notice is being provided as a result of the filing of an application for permanent alien labor certification for the job opportunity described below. Any person wishing to comment may provide documentary evidence to the Certifying Officer of the Department of Labor, Employment & Training Administration, Harris Tower, N.E., 233 Peachtree Street, Suite 410, Atlanta, GA 30303.

Computational Mechanics Research Engineers Job ID #91490 in Wichita, Kansas

*Under supervision of the Director of the Computational Mechanics Laboratory, responsible for research and testing, as well as the development of test protocols and procedures. Document and analyze project test results, and generate final reports. Direct general laboratory activities and apply independent judgment and discretion to ensure satisfactory completion of research projects. Oversee laboratory research and testing and develop test protocols and procedures. Conduct testing and numerical analysis of aerodynamic models. Train undergraduate and graduate assistants to ensure satisfactory completion of research projects. Collaborate with other faculty and staff members at WSU who are conducting research in related topics. Communicate with the WSU purchasing office and budget officers regarding procurement requirements to purchase and maintain equipment and tools. Create numerical models of fluid dynamics systems using Computational Fluid Dynamics tools (i.e. Fluent and FloEFD). Conduct testing to evaluate the level of correlation between numerical models and test results. Use CAD software to create watertight models for numerical analysis. Develop multidisciplinary Design Optimization (MDO) techniques for optimization of aerodynamics and flight systems.* Master’s degree in Engineering (Materials, Mechanical, or Aerospace) or related field and 1 year of experience with Computational Fluid Dynamics Analysis; Analysis and Testing of Aerodynamic Systems, Aircraft Performance and Flight Dynamics experience. Demonstrated ability with Fluent, FloEFD, ANSA, MATLAB, and CATIA. $66,600 - $98,000/yr.

Reply to:

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of Research and Technology Transfer

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