The Steady Thermal Aero Research Turbine (START) Lab seeks to hire a qualified Research Associate to assist in the daily operations of a complex research facility. The focus areas for START are on increasing turbine efficiencies through improved turbine airfoil cooling, improved seals between rotating and stationary parts, and through the use and testing of additive manufactured components. Through strong support from Penn State, a major gas turbine manufacturer, and the federal government, the Department of Mechanical and Nuclear Engineering at The Pennsylvania State University created a unique facility that houses two 1,500 hp compressors and numerous other complex systems required for turbine testing. Information on the START Lab can be found at: http://www2.mne.psu.edu/psuturbine/index.html

Duties for this position include assembly and disassembly of complex mechanical test rig components and facility infrastructure, installing and troubleshooting instrumentation and assisting with rig operation. In addition, duties include providing support with regards to the fabrication of research hardware and maintenance of measurement equipment. This support requires the ability to work in a diverse environment with students and research sponsors through strong teamwork.

Qualifications for this position includes, at a minimum, an masters of science in engineering or a related field. It is highly desirable to have some knowledge of turbomachinery and to have two years of experience. This is a fixed term position funded for one year from date of hire with a good possibility of refunding.

Apply at https://psu.jobs/job/60979

CAMPUS SECURITY CRIME STATISTICS: For more about safety at Penn State, and to review the Annual Security Report which contains information about crime statistics and other safety and security matters, please go to http://www.police.psu.edu/clery/, which will also provide you with detail on how to request a hard copy of the Annual Security Report.

Penn State is an equal opportunity, affirmative action employer, and is committed to providing employment opportunities to all qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national origin, disability or protected veteran status.