



Postdoctoral Position Available at the University of Tennessee

There is an immediate opening for a postdoctoral researcher in the Department of Nuclear Engineering at the University of Tennessee in Knoxville (UTK). The position will involve supporting a project focused on establishing a permanent fast neutron imaging facility at Consolidated Nuclear Services in Oak Ridge, TN, for both production use and to enable future work in non-proliferation programs. The successful candidate must have a PhD in Nuclear Engineering or Physics, strong computer programming skills, and a background in experimental research involving the detection and characterization of ionizing radiation. It is desired that the candidate will have familiarity with, as well as a theoretical understanding of, x-ray, neutron, and imaging detectors, including detector materials, analog and digital signal processing, statistical modeling, and data analysis. It is also desirable for the candidate to have familiarity with computer/instrument interfaces and experience with radiation transport calculations such as MCNP, GEANT4 and SCALE. Good human relations and communication skills are requisite. The ability to perform research and development in a collaborative environment is required, including excellent oral and written communication skills. U.S. citizenship and the ability to obtain and maintain a Department of Energy "Q" clearance is required. Publications and travel to conferences is expected. The initial appointment is for a period of 12 months with the possibility of renewal for up to an additional 24 months.

Knoxville, a vibrant and growing city, is nestled at the base of the beautiful Smoky Mountains. Knoxville was recently rated the "best place in the U.S. for new college graduates to live and work" by the ERI Economic Research Institute, a compensation research firm specializing in salary survey and cost-of-living studies. This comes on the heels of Knoxville's "ninth hottest area of the country to do business" ranking and a five-star rating for quality of life. The Knoxville-Oak Ridge area, home to 100+ nuclear-related companies, is also a national powerhouse in nuclear science and engineering research and industry.

Interested candidates should send a letter of application, curriculum vitae, and names and addresses of three references to Dr. Jason Hayward; Professor of Nuclear Engineering; The University of Tennessee; 411 Nuclear Engineering Bldg; Knoxville, TN 37996; Telephone: 865-974-2536; Email: jhayward@utk.edu. Review of applications will begin immediately and will continue until the position is filled.

All qualified applicants will receive equal consideration for employment and admission without regard to race, color, national origin, religion, sex, pregnancy, marital status, sexual orientation, gender identity, age, physical or mental disability, genetic information, veteran status, and parental status, or any other

characteristic protected by federal or state law. In accordance with the requirements of Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act of 1990, the University of Tennessee affirmatively states that it does not discriminate on the basis of race, sex, or disability in its education programs and activities, and this policy extends to employment by the university. Inquiries and charges of violation of Title VI (race, color, and national origin), Title IX (sex), Section 504 (disability), the ADA (disability), the Age Discrimination in Employment Act (age), sexual orientation, or veteran status should be directed to the Office of Equity and Diversity, 1840 Melrose Avenue, Knoxville, TN 37996-3560, telephone 865-974-2498. Requests for accommodation of a disability should be directed to the ADA Coordinator at the Office of Equity and Diversity.