THE UNIVERSITY OF TENNESSEE KNOXVILLE

Postdoctoral Position Available at the University of Tennessee

There is an immediate opening for a postdoctoral researcher joint between the Department of Nuclear Engineering and the Department of Electrical Engineering and Computer Science at the University of Tennessee in Knoxville. The position will involve algorithm development work related to the advanced detection, localization and identification of nuclear and radiological sources using wearable sensors. The successful candidate must have a PhD in Physics or Engineering, strong computer programming skills, and a background in basic and modern physics. It is also desirable for the candidate to have knowledge and/or experience in some of the following areas: pattern recognition, deep learning, image processing, radiation transport simulation, radiation sensing technologies, and familiarity with computer/instrument interfaces. Good human relations and communications skills are requisite. The ability to perform research and development in a collaborative environment is required, including excellent oral and written communication skills. The initial appointment is for a period of 9 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 partnership between UT and the nearby Oak Ridge National Laboratory (ORNL), the nation's largest science and energy national laboratory, is strong. University researchers often work on joint programs with ORNL, sometimes in part time residence there. 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; Associate 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.