

## Postdoctoral Position in the Thin Film and Semiconductor Processing Research Laboratory at the University of Tennessee

There is an immediate opening for a postdoctoral research associate in the department of Nuclear Engineering. The primary duty of this position is to be the lead instrument scientist of the Thin Film and Semiconductor Processing Research Laboratory (<http://www.engr.utk.edu/nuclear/Lukosi/Facilities/facilities.html>). The successful candidate is expected to have a strong background in one or more areas within thin film processing: reactive ion etching, plasma enhanced chemical vapor deposition, contact printing, sputtering and thermal evaporation, and device fabrication and characterization. Activities of this position include managing day-to-day operations of the facility, supporting internally and externally sponsored research projects through direct research and supporting student investigators, and exploring new external funding opportunities. A background in semiconductor processing for radiation detection is a plus but not required. This position is a mix between facility management and research, where the successful candidate is expected to conduct original research and disseminate results via conferences and peer-reviewed journal publications. This position has the potential for near-term advancement and long-term retention.

The University of Tennessee is located in Knoxville, recently rated “best place in the U.S. for new college graduates to live and work,” according to ERI Economic Research Institute, a compensation research firm specializing in salary survey and cost-of-living studies. This comes on the heels of a “ninth hottest area of the country to do business” ranking and a five-star rating for quality of life, not to mention the picturesque setting and lakes as well as the Great Smoky Mountains National Park less than an hour away.

The University of Tennessee has been a cultural, intellectual, and economic hub of Knoxville for more than 200 years, as well as the flagship institution of the state of Tennessee. The campus offers abundant resources, including museums, theater, music, art, libraries, and stimulating speakers. Nationally contending athletic teams, both men’s and women’s, boost the area economy, as do the 26,000 UT students. The partnership between UT and the nearby Oak Ridge National Laboratory, the nation’s largest science and energy lab, adds numerous opportunities. Startup of the \$1.4 billion Spallation Neutron Source, the world’s fastest supercomputer at ORNL, the new Governor’s Chair appointments of world-class scientists, and four joint research institutes promise to extend the university’s strong tradition of research and education.

Candidates must have a doctoral degree in nuclear engineering, materials science, electrical engineering, physics, or a related field. Candidates can apply by emailing Dr. Eric Lukosi ([elukosi@utk.edu](mailto:elukosi@utk.edu)) with a CV and contact information for three references.