



ANNOUNCEMENT NUCLEAR ENGINEERING FACULTY POSITION AVAILABLE

The Department of Nuclear Engineering at the University of Tennessee, Knoxville (UTK) is seeking applications to fill two tenure-track faculty positions at the Assistant or Associate Professor level starting either January 1, 2019 or August 1, 2019. Duties will include teaching undergraduate and graduate courses in nuclear engineering-related subjects, generating externally funded research, advising graduate students, writing scholarly journal articles, and providing service to the department, college, university, and community. Applicants must have a doctorate in Nuclear Engineering or a closely related field by the effective date of appointment.

The University of Tennessee Nuclear Engineering Department is part of the Tickle College of Engineering which has the fastest growing PhD program among the Top 40 public colleges of engineering. The department has the largest PhD program in the United States and over \$11M in research expenditures. According to ASEE, it has the second largest undergraduate program. In 2021, it will move into a new \$129M building that will house 23 new nuclear engineering laboratories. UTK has close collaborations with ORNL and Y-12 and is located close to the beautiful Smoky Mountains.

Applicants should be able to contribute to existing courses and research activities in nuclear engineering, as well as to develop new avenues of research and teaching. The preferred areas of research and teaching specialization include reactor physics, reactor dynamics and safety, thermal hydraulics, computational fluid dynamics, multiphysics, or advanced reactor design. However, research experience in the areas of nuclear materials research with a focus on advanced manufacturing for nuclear environments or reactors; nuclear system instrumentation & controls; monitoring and diagnostics; radiation detection; nuclear security; nuclear materials safeguards; nuclear medicine; nuclear chemistry; criticality safety; or numerical methods development for nuclear engineering applications, will also be considered. Preference will be given to candidates who have demonstrated research success that complements existing University of Tennessee strengths, and with the ability to demonstrate collaborative research activities. In addition to demonstrated excellence in research and the potential for developing a highly visible, externally funded research program, successful candidates will also have demonstrated the potential for high-quality undergraduate and graduate teaching.

The University of Tennessee is seeking candidates who have the ability to contribute in meaningful ways to the diversity and intercultural goals of the University. The University welcomes and honors people of all races, genders, creeds, cultures, and sexual orientations; and values intellectual curiosity, pursuit of knowledge, and academic freedom and integrity. Interested candidates should send a curriculum vitae, a select subset of publications, a statement of research and teaching interests, a letter articulating the applicant's interest in and qualifications for this position, and the names of three to five references to:

Dr. Jason Hayward, Search Committee Chair
Professor of Nuclear Engineering
Department of Nuclear Engineering
301 Nuclear Engineering Building
Knoxville, TN 37996-1410
E-mail: jhayward@utk.edu

Applicants will be reviewed continuously, but those received by 30 September 2018 will receive priority.

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.

ACTIONS

Standard approved; comments requested

The following standard has been approved:

■ ANSI/ANS-15.8-1995 (R2018), *Quality Assurance Program Requirements for Research Reactors* (reaffirmation of ANSI/ANS-15.8-1995 [R2013]).

This standard provides criteria for quality assurance in the design, construction, operation, and decommissioning of research reactors.

Comments requested

Comments are requested on the following standard by September 24, 2018:

■ ANS-6.1.2-2013 (R201x), *Neutron and Gamma-Ray Cross Sections for Nuclear Radiation Protection Calculations for Nuclear Power Plants* (reaffirmation of ANSI/ANS-6.1.2-2013).

This standard provides information on acceptable evaluated nuclear data and group-averaged neutron and gamma-ray cross section libraries derived from these evaluated nuclear data based on the energy range and materials of importance in nuclear radiation protection and shielding calculations for nuclear power plants.



FACULTY POSITION SCHOOL OF NUCLEAR ENGINEERING

The School of Nuclear Engineering at Purdue University invites applications for a tenured/tenure-track faculty position at all ranks. Purdue University seeks to attract exceptional candidates with interests and expertise in nuclear power, advanced reactor technology, nuclear materials, fuel cycle and non-proliferation; however, other areas are also considered. Successful candidates must hold a Ph.D. degree in Nuclear Engineering or a related discipline and demonstrate excellent potential to build an independent research program at the forefront of their field, as well as potential to educate and mentor students. The successful candidates will conduct original research, will advise graduate students, will teach undergraduate and graduate level courses, and will perform service both at the School and University levels. Candidates with experience working with diverse groups of students, faculty, and staff and the ability to contribute to an inclusive climate are particularly encouraged to apply.

The School of Nuclear Engineering at Purdue University has experienced significant growth in the past decade and has a strong faculty core engaged in all areas of nuclear engineering as well as significant interdisciplinary efforts across campus, with other academic institutions, and industrial partners. The College of Engineering at Purdue is currently undergoing extensive growth, with an expanding number of faculty that are opening new and exciting research directions. For information on School of Nuclear Engineering, please see at <https://engineering.purdue.edu/NE>.

Purdue University's School of Nuclear Engineering is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address in their cover letter, their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion.

Submit applications online at <https://engineering.purdue.edu/Engr/AboutUS/Employment/Applications>. Applications must include a cover letter, curriculum vitae, teaching and research plans, and names of at least three references. For information/questions regarding applications contact the Office of Academic Affairs, College of Engineering, at coeacademicaffairs@purdue.edu. Review of applications will begin on October 8, 2018 and will continue until position is filled. A background check will be required for employment in this position.

Purdue's main campus is located in West Lafayette, Indiana, a welcoming and diverse community with a wide variety of cultural activities, events, and industries. Purdue and the College of Engineering have a Concierge Program (<https://engineering.purdue.edu/Engr/Concierge>) to assist new faculty and facilitate their relocation.

Purdue University is an EOE/AA employer.

All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.

Volunteer support needed

The following standards projects are in need of volunteer support. Interested individuals should contact standards@ans.org for more information.

■ ANS-56.1, *Containment Hydrogen Control* (development of new standard).

■ ANS-56.2, *Containment Isolation Provisions for Fluid Systems After a LOCA* (revision of historical standard ANS-56.2-1989 [W1999]).

■ ANS-57.5, *Light Water Reactors Fuel Assembly Mechanical Design and Evaluation* (revision of historical standard ANS-57.5-1996 [W2016]).

■ ANS-57.8, *Fuel Assembly Identification* (revision of current standard ANSI/ANS-57.8-1995 [R2017]).

■ ANS-58.2, *Design Basis for Protection of Light Water Nuclear Power Plants Against the Effects of Postulated Pipe Rupture* (revision of historical standard ANS-58.2-1988 [W1998]).