



TEXAS A&M UNIVERSITY
 Department of
 Nuclear Engineering

Faculty Job Opening for Assistant, Associate, and Full Professor

Job Location: College Station, Texas

Job Description

The Department of Nuclear Engineering, College of Engineering, at Texas A&M University invites applications for two full-time tenured or tenure-track faculty positions with a 9-month academic appointment, and the possibility of an additional summer appointment contingent upon need and availability of funds, beginning September 1, 2020. Applicants will be considered for the faculty titles of assistant, associate and full professor. Applications are invited from all areas of nuclear science, engineering, and technology, which include, but are not limited to, power engineering, reactor thermal hydraulics, computational methods development, radiation detection, nuclear materials science, nuclear security and nonproliferation. Successful candidates will be expected to conduct research, build self-sustainable research programs, teach both graduate and undergraduate courses, mentor students, and contribute to the department's service mission. For applicants applying for senior academic rank, experience in establishment of multi-disciplinary research programs is desirable, along with a demonstrated research and publication record and proven excellence at teaching.

The Department of Nuclear Engineering was established in 1958 and strives to serve the state, nation and global community by nurturing nuclear engineering professionals and leaders to meet the complex challenges associated with the peaceful uses of nuclear energy and enhancing global security. We are the largest program in the U.S. with a current enrollment of 292 undergraduate and 141 graduate students. Our program is ranked second nationally among undergraduate and fourth nationally among graduate programs included in public universities.

Qualifications

Applicants must have an earned doctorate in nuclear engineering or a closely related engineering or science discipline.

Application Instructions

Applicants should submit a cover letter, curriculum vitae, teaching statement, research statement, diversity statement and a list of four references (including postal addresses, phone numbers and email addresses) by applying for this specific position <http://apply.interfolio.com/71380>. Full consideration will be given to applications received by March 1, 2020. Applications received after that date may be considered until position(s) are filled. It is anticipated the appointment(s) will begin Fall 2020.

Job Contact

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Mandatory EEO Statement

The members of Texas A&M Engineering are all Equal Opportunity/Affirmative Action/Veterans/Disability employers committed to diversity. It is the policy of these members to recruit, hire, train and promote without regard to race, color, sex, religion, national origin, age, disability, genetic information, veteran status, sexual orientation or gender identity.

FINLAND

Nuclear regulator prepares for licensing of SMRs

Finland's Radiation and Nuclear Safety Authority (STUK) has published a report on the conditions for safe operation of small modular reactors. The report discusses questions associated with the safety assessment and licensing of SMRs as STUK prepares for the licensing of new power plant types due to the national and international interest in them.

A working group established by the Ministry of Economic Affairs and Employment is currently investigating the need to further develop Finland's Nuclear Energy Act. One of the topics being discussed is the current statutory licensing system of nuclear facilities and how to make it better suited for licensing SMRs and monitoring their radiation safety.

Globally, significant investments are being made in the development of SMRs, and the parties showing interest are not just traditional nuclear power companies. Many new organizations, such as cities, municipalities, and the process industry, have also expressed interest in using SMRs for producing heat and power.

Although there currently are no concrete plans for building an SMR in Finland, STUK said that it wants to prepare for the future. "We must be able to inform the parties considering the use of nuclear energy of the safety requirements that apply to novel nuclear power plants and must be capable of assessing the safety of the plants as necessary," said Petteri Tiippana, director general of STUK. "While technology is evolving rapidly, changing the existing licensing system and the instructions that supplement the legislation takes some time. Furthermore, building the necessary expertise does not happen in an instant. We prepare for the future to ensure that the safety of SMRs will be at least at the same level as that of the existing nuclear power plants. Good operating practices as an authority also require that our expectations and requirements towards the operators are as transparent as possible and can be taken into account proactively."

In addition to operating nationally, STUK is involved in international cooperation whereby national authorities consider rules for the licensing and safety of SMRs. According to STUK, the significance of international cooperation and a common set of rules is further emphasized by the fact that the plant providers designing SMRs expect that a single reactor design could be built in many different countries.

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