

# MISSOURI S&T

## **Kummer Professor of Nuclear Engineering and Radiation Science**

### **Job Description**

The Kummer Professor of NERS will possess the skills, knowledge and experience to:

- Drive strategic and operational efforts to grow life science related nuclear science/technology research and leverage existing capabilities in the research area.
- Drive strategic and operational efforts to establish the Department as a nationally recognized leader in medical application of nuclear science.
- Work with talented students and faculty in a multidisciplinary framework to promote growth in the research of life sciences applications of nuclear science with particular interest in medical application.

### **Minimum Qualifications**

An earned doctoral degree in a STEM field from an accredited university.

### **Preferred Qualifications**

- Credentials commensurate with appointment as a tenured full professor. Candidates outside academia may present other credentials in lieu of traditional university scholarly output.
- Extensive research and/or career experience in a life sciences application of Nuclear Engineering and/or Radiation Science related area.

We invite nominations and applications for the position of the Kummer Endowed Professor with emphasis on bio-applications of nuclear engineering, radiation science and radiology. This is a growth area to address expanding nuclear science application in life sciences, with particular interest in medical science. Missouri S&T has existing synergistic research areas and activities in nuclear medicine and imaging. The hire for this position will sustain both internal and external collaborations and leverage existing capabilities including our 200-kW nuclear reactor, aimed at oncology applications, high energy dosimetry or biological impact. The faculty will also help drive the expansion of nuclear medicine and health physics path in nuclear engineering at S&T. The faculty will maintain collaborative work with Hospitals and Medical Schools. The MURR facility at Columbia, MO is available to the faculty for research collaboration.

The Kummer Institute for Student Success, Research and Economic Development was established in October 2020 through a gift of \$300 million from June and Fred Kummer. The Institute is transforming Missouri S&T by cultivating leadership and technological innovation and fostering expansion of academic- industry partnerships to directly address emerging needs of industry.

**The Nuclear Engineering and Radiation Science** undergraduate program is one of only 35 nuclear engineering degree programs in the nation. The educational mission is to offer students career-focused opportunities in nuclear engineering, energy and nonproliferation, and radiation science and medical applications. Our research mission is to become nationally recognized leaders in micro reactor development, medical imaging and radiotherapy and/or radiodiagnostic applications, and materials in advanced nuclear systems. The department is home to seven tenured/tenure-track faculty, four jointly appointed faculty, 116 undergraduate students, and 24 graduate students. The department operates a 200 kW MTR-type reactor used for research and student operator training.

Founded in 1870 as the Missouri School of Mines and Metallurgy, Missouri University of Science and Technology is one of the top technological institutions in the nation and among the first technological institutions established west of the Mississippi River. Located about 100 miles southwest of St. Louis in the multicultural community of Rolla, Missouri, S&T is an accessible, safe, and friendly campus surrounded by Ozarks scenery. Missouri S&T has undertaken a number of initiatives to improve campus life and the work/life balance of its faculty and staff (see <http://hr.mst.edu>). Missouri S&T seeks to meet the needs of dual-career couples. ([Dual Career Partner Assistance Program](#))

Candidates should electronically submit their application (pdf or Word format) consisting of a 1) cover letter, 2) curriculum vitae, 3) research statement, 4) teaching statement, 5) diversity statement, and 6) list of four references to Missouri S&T's Human Resources Office at: <http://hr.mst.edu/careers/academic-employment> using Reference #00083444. Applications will be reviewed as they are received until the position is filled. Deadline for priority consideration is Thursday, December 15, 2022. For more information, please contact the Search Committee Chair, Hu Yang, at 573-341-4854, or [huyang@mst.edu](mailto:huyang@mst.edu).

Missouri University of Science & Technology is fully committed to achieving the goal of a diverse and inclusive academic community of faculty, staff and students. We seek individuals who are committed to this goal and our core campus values of integrity, inclusion, sustainability, creativity, partnerships and lifelong success. The University of Missouri is an Equal Opportunity/Access/Affirmative Action/Pro Disabled & Veteran Employer.