



Assistant Professor Position in Nuclear Engineering

The Department of Nuclear Engineering at the University of New Mexico (UNM) invites applications for a tenure-track appointment at the Assistant Professor level. Applicants in all fields of nuclear engineering are encouraged to apply but strong preference will be given to individuals with background and experience in: (i) reactor physics, reactor design, and computational fluid dynamics for nuclear engineering, (ii) nuclear safeguards, nuclear security, nuclear forensics, and radiation detection physics.

The department offers an ABET accredited B.S. degree, and M.S. and Ph.D. degrees in Nuclear Engineering, as well as M.S. level concentrations in Medical Physics and Radiation Protection Engineering. Current department faculty is comprised of three Full Professors, one Associate Professor, two Assistant Professors, two Lecturers, and one UNM-National Lab Professor.

Active Departmental research includes nuclear fuels and materials, nuclear reactor design, safety and thermal-hydraulics, space nuclear power, radiation detection and data, advanced instrumentation and diagnostics, nuclear safeguards, radiation transport, and criticality safety. Facilities include an AGN-201M low-power teaching reactor, a nuclear materials lab with a hot cell, a nuclear fuel and reactor safety laboratory, a radiation measurement and detection laboratory, a thermal fluids laboratory, a thermal-hydraulics and energy conversion laboratory, and a high-performance computing facility. Department faculty were recipients of four DOE-NEUP grants and an NRC Faculty Development grant in 2017.

An established Strategic Alliance between UNM and Sandia National Laboratories (SNL) in Albuquerque uniquely facilitates establishing close interactions and collaborations between SNL staff and UNM faculty and students. In addition, the Air Force Research Laboratory in Albuquerque, and the close proximity of Los Alamos National Laboratory (LANL) provide exceptional opportunities for collaborative research. UNM is also part of the National Universities Consortium (NUC) established by Idaho National Laboratory.

Minimum Requirements of the Position:

- A Ph.D. degree in Nuclear Engineering or a closely related field by the appointment start date is required
- Applicants should have at least 2 years of prior research experience necessary to lead an active research program, as evidenced by peer refereed publications, technical reports, patents, etc., commensurate with an entry-level faculty position

Preferred Qualifications:

- Background and experience in reactor physics, reactor design, and computational fluid dynamics for nuclear engineering

- Background and experience in nuclear safeguards, nuclear security, nuclear forensics, and radiation detection physics
- The successful candidate is expected to have a strong research vision and ability to develop an independent, extramurally funded research program
- Have a background that would expedite the formation of collaborations with the national laboratories
- Have a strong commitment to teaching excellence in undergraduate and graduate education, and demonstrate a commitment to diversity, equity, inclusion, and student success, and to interact with broadly diverse communities.

Applications must be submitted online through UNMJobs at <https://hr.unm.edu/unmjobs> and searching req#2826. For best consideration, complete applications must be received by Jan 30, 2018. The position, however, will remain open until filled. A complete application consists of: (1) a cover letter/letter of interest; (2) a comprehensive CV; (3) a statement articulating teaching and research experience, vision, philosophy and interests; and (4) the names and contact information (address, phone number and email address) of five professional references.

Inquiries should be sent to Prof. Cassiano de Oliveira, Chair of the Search Committee at cassiano@unm.edu. For more information about UNM's Department of Nuclear Engineering and School of Engineering see <http://www.ne.unm.edu/> and <http://www.engineering.unm.edu>.

UNM is a recipient of an ADVANCE Institutional Transformation grant from the NSF to promote and advance women and minority faculty in STEM fields, and the School of Engineering is partnering with the ADVANCE at UNM program to help recruit and retain an excellent and diverse faculty. Candidates from all underrepresented groups are thus strongly encouraged to apply.

The University of New Mexico is committed to hiring and retaining a diverse workforce. We are an Equal Opportunity Employer, making decisions without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, veteran status, disability, or any other protected class.