

NSE

Nuclear Science and Engineering

science : systems : society



Faculty Positions

The Department of Nuclear Science and Engineering (NSE) at the Massachusetts Institute of Technology (MIT), Cambridge, MA, is a world leader in the generation, control and application of nuclear reactions and radiation for the benefit of society and the environment. NSE faculty educate and conduct research in fields from fundamental nuclear science to practical applications of nuclear technology in energy, security and quantum engineering. More details about the Department can be found at <http://web.mit.edu/nse/>.

We are seeking candidates for faculty positions start July 1, 2025, or on a mutually agreed date thereafter. We welcome exceptional applicants broadly engaged in nuclear science and engineering, especially those pursuing **nuclear fission reactor design for off-grid applications, risk- and economics-based fission reactor design or advanced sensor technologies for fission reactor applications**. The search is for candidates to be hired at the assistant professor level; under special circumstances, however, an untenured associate or senior faculty appointment is possible, commensurate with experience. Applications will be accepted starting November 15, 2024.

While we welcome applications from a wide range of disciplines, a commitment to excel in teaching in the Department is essential. Faculty duties will include teaching courses at the graduate and undergraduate levels, advising students, conducting original scholarly research, and developing course materials at the graduate and undergraduate levels. Applicants must have earned a doctorate in Nuclear Science and Engineering or a related Engineering or Scientific field by the start of employment, and must have demonstrated excellence in research and scholarship in a relevant technical field. Employment is contingent upon the completion of a satisfactory background check, including possible verification of any finding of misconduct (or pending investigation) from prior employers.

Applications are to be submitted electronically at <https://faculty-searches.mit.edu/nse-fission/>. Each application must include: a curriculum vitae, a two-page strategic statement of research interests, a one-page statement of teaching interests, and electronic copies of no more than three representative publications. Each candidate should also include the names and contact information for three or more references. If a candidate is requested to proceed beyond the initial application phase, their letter writers will need to submit their letter by a deadline that will be specified at the appropriate point in the application review process.

Recognizing MIT's strong commitment to diversity in education, research and practice, minorities and women are especially encouraged to apply.

Applications received before December 15, 2025 will be given priority. <http://web.mit.edu>

MIT is an equal opportunity/affirmative action employer. We value diversity and strongly encourage applications from individuals from all identities and background. All qualified applicants will receive equitable consideration for employment based on their experience and qualifications and will not be discriminated against on the basis of race, color, sex, sexual orientation, gender identity, pregnancy, religion, disability, age, genetic information, veteran status, ancestry, or national or ethnic origin. See MIT's full policy on Nondiscrimination (<https://policies.mit.edu/policies-procedures/90-relations-and-responsibilities-within-mit-community/92-nondiscrimination>). Know your rights.