

Multiple Open Rank Tenured/Tenure-Track Faculty
Positions in Nuclear and Radiological and Medical Physics
Georgia Institute of Technology

Direct Link: <https://www.AcademicKeys.com/r?job=246673>

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Posted Oct. 7, 2024, set to expire Feb. 6, 2025

Job Title Multiple Open Rank Tenured/Tenure-Track Faculty Positions in Nuclear and Radiological and M

Department Mechanical Engineering
<http://www.me.gatech.edu>

Institution Georgia Institute of Technology
Atlanta, Georgia

Date Posted Oct. 7, 2024

Application Deadline Oct. 31, 2024

Position Start Date Available immediately

Job Categories Assistant Professor
Associate Professor
Professor

Academic Field(s) Nuclear
Mechanical Engineering
Engineering Physics

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Job Description

Overview

Georgia Tech prides itself on its technological resources, collaborations, high-quality student body, and its commitment to building an outstanding and diverse community of learning, discovery, and creation. We strongly encourage applicants whose values align with our institutional values, as outlined in our [Strategic Plan](#). These values include academic excellence, diversity of thought and experience, inquiry and innovation, collaboration and community, and ethical behavior and stewardship. Georgia Tech has policies to promote a healthy work-life balance and is aware that attracting faculty may require meeting the needs of two careers.

About Georgia Tech

Georgia Tech is a top-ranked public research university situated in the heart of Atlanta, a diverse and vibrant city with numerous economic and cultural strengths. The Institute serves more than 45,000 students through top-ranked undergraduate, graduate, and executive programs in engineering, computing, science, business, design, and liberal arts. Georgia Tech's faculty attracted more than \$1.4 billion in research awards this past year in fields ranging from biomedical technology to artificial intelligence, energy, sustainability, semiconductors, neuroscience, and national security. Georgia Tech ranks among the nation's top 20 universities for research and development spending and No. 1 among institutions without a medical school.

Georgia Tech's Mission and Values

Georgia Tech's mission is to develop leaders who advance technology and improve the human condition. The Institute has nine key values that are foundational to everything we do:

1. Students are our top priority.
2. We strive for excellence.
3. We thrive on diversity.
4. We celebrate collaboration.
5. We champion innovation.
6. We safeguard freedom of inquiry and expression.
7. We nurture the wellbeing of our community.
8. We act ethically.

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9. We are responsible stewards.

Over the next decade, Georgia Tech will become an example of inclusive innovation, a leading technological research university of unmatched scale, relentlessly committed to serving the public good; breaking new ground in addressing the biggest local, national, and global challenges and opportunities of our time; making technology broadly accessible; and developing exceptional, principled leaders from all backgrounds ready to produce novel ideas and create solutions with real human impact.

About the George W. Woodruff School of Mechanical Engineering at Georgia Institute of Technology

The Woodruff School graduates high caliber mechanical engineers for a demanding profession. Mechanical engineers are the foundation of today's technological world. To do so, we provide enhanced facilities and laboratories to create the best learning environment and we attract outstanding faculty and students. In this period of rapid technological change, the Woodruff School produces mechanical engineers who are vital to our future.

With approximately 3,000 students, 100 faculty members, and 70 staff members, we are one of the largest mechanical engineering programs in the country. We are consistently ranked as one of the top 10 mechanical engineering programs in the U.S. at both the graduate and undergraduate levels and continuously innovate to keep our school at the forefront of engineering education. Our size and resources allow us to offer a diversity of educational and research opportunities that enable us to produce highly sought after engineering professionals.

Location

Atlanta, GA

Job Summary

The Woodruff School of Mechanical Engineering (www.me.gatech.edu) at the Georgia Institute of Technology in Atlanta, GA invites applications for a tenure-track faculty position within the Nuclear and Radiological and Medical Physics program. Applicants will be considered at all ranks. Applications will be entertained in any of the School's research areas with an emphasis on interdisciplinary activities in fusion engineering and technologies: (1) Advancing fusion reactor design, and (2) research and technology in fusion nonproliferation, including tritium accountancy. A strong emphasis on multi-

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university and national laboratory ventures is desired. Those applying for Associate and Full Professor positions should have established records in research that demonstrate nationally and internationally recognized expertise. Industrial experience is desirable, but not required. Candidates are expected to teach and mentor a distinct student body. Along with undergraduate and graduate teaching, each position requires a balance of research and service responsibilities.

Required Qualifications

Doctorate in Mechanical or Nuclear Engineering or related field required by the start of appointment.

Preferred Qualifications

Student Success Criteria

- The ability to promote a welcoming educational/work environment.
- The ability to mentor and assist students interested in pursuing graduate education.
- The ability to design and teach curricula that are responsive to a distinctive student body.
- The ability to engage students in experiential learning activities and pedagogy that support student success.

Required Documents to Attach

Applicants should submit a letter of application, curriculum vitae, a statement of research interests, a description of teaching interests as well as their advising/mentoring philosophy, a statement on Tech's mission and values and the names and contact information for at least three references. Application materials should be submitted as .PDF files via <https://hr.gatech.edu/careers>.

Applications will be considered beginning **October 31, 2024**. Priority will be given to applications received by **October 31, 2024**, and all applications submitted by the priority deadline will be reviewed. However, the position will remain open until filled.

STATEMENT:

Statement on Tech's mission and values: In two pages or less, please outline how your professional and academic experiences have prepared you to support and apply Georgia Tech's mission and values.

Contact Information



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Requests for information may be directed to woodruff.school.faculty.recruiting@me.gatech.edu.

USG Core Values

The University System of Georgia is comprised of our 26 institutions of higher education and learning as well as the System Office. Our USG Statement of Core Values are Integrity, Excellence, Accountability, and Respect. These values serve as the foundation for all that we do as an organization, and each USG community member is responsible for demonstrating and upholding these standards. More details on the USG Statement of Core Values and Code of Conduct are available in USG Board Policy 8.2.18.1.2 and can be found on-line at

https://www.usg.edu/policymanual/section8/C224/#p8.2.18_personnel_conduct.

Additionally, USG supports Freedom of Expression as stated in Board Policy 6.5 Freedom of Expression and Academic Freedom found on-line at <https://www.usg.edu/policymanual/section6/C2653>

Background Check

The candidate of choice will be required to pass a pre-employment background screening.

<http://policylibrary.gatech.edu/employment/pre-employment-screening>.

EEO/AA Policy

Equal Employment Opportunity

The Georgia Institute of Technology (Georgia Tech) is an Equal Employment Opportunity Employer. The University is committed to maintaining a fair and respectful environment for all. To that end, and in accordance with federal and state law, Board of Regents policy, and University policy, Georgia Tech provides equal opportunity to all faculty, staff, students, and all other members of the Georgia Tech community, including applicants for admission and/or employment, contractors, volunteers, and participants in institutional programs, activities, or services. Georgia Tech complies with all applicable laws and regulations governing equal opportunity in the workplace and in educational activities.

Georgia Tech prohibits discrimination, including discriminatory harassment, on the basis of race,

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ethnicity, ancestry, color, religion, sex (including pregnancy), sexual orientation, gender identity, gender expression, national origin, age, disability, genetics, or veteran status in its programs, activities, employment, and admissions. This prohibition applies to faculty, staff, students, and all other members of the Georgia Tech community, including affiliates, invitees, and guests. Further, Georgia Tech prohibits citizenship status, immigration status, and national origin discrimination in hiring, firing, and recruitment, except where such restrictions are required in order to comply with law, regulation, executive order, or Attorney General directive, or where they are required by Federal, State, or local government contract.

More information on these policies can be found here:

<https://www.usg.edu/policymanual/section6/c2714> Board of Regents Policy Manual | University System of Georgia (usg.edu).

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact HR Department
Mechanical Engineering
Georgia Institute of Technology
Atlanta, GA

Contact E-mail woodruff.school.faculty.recruiting@me.gatech.edu