

Assistant Professor in Electrical Engineering
University of Texas at Arlington

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Posted Oct. 31, 2023, set to expire May 1, 2024

Job Title	Assistant Professor in Electrical Engineering
Department	Electrical Engineering https://www.uta.edu/academics/schools-colleges/engineering/academics/departments/electrical
Institution	University of Texas at Arlington Arlington, Texas
Date Posted	Oct. 31, 2023
Application Deadline	Open until filled
Position Start Date	Sep. 1, 2024
Job Categories	Assistant Professor
Academic Field(s)	Electrical and/or Electronics Optics & Optical Engineering
Apply Online Here	http://uta.peopleadmin.com/hr/postings/25499
Apply By Email	
Job Description	

The Department of Electrical Engineering in the College of Engineering, the University of Texas at Arlington, invites applications for two faculty positions at tenure-track, assistant professor level to begin in Fall 2024. Exceptional candidates at higher ranks will also be considered.

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We welcome candidates in strategic growth areas of photonics, with the first of the two positions focusing on photonic integrated circuits / integrated photonics, and the second position targeting, but not limited to, space photonics, semiconductor photonics, and free-space optical communications. Both positions expect candidates to have significant experimental research, and leveraging the cleanroom user facilities is a plus.

We seek individuals who demonstrate exceptional potential for or evidence of leading a high-impact, world-class funded research program training PhD, MS, and BSEE students. All candidates must have a strong aptitude for effective teaching in core and specialized areas of our curriculum at the undergraduate and graduate levels.

Faculty responsibilities include developing and maintaining an internationally recognized research program, effective classroom teaching, and service to the local and international professional communities.

Essential Duties and Responsibilities:

Faculty in Electrical Engineering are required to:

- develop and innovate classroom and laboratory instruction at the undergraduate and graduate levels.
- establish and lead an independent, student-based research group supported by externally acquired financial support accessing federal, state, local and/or industrial funding sources.
- maintain a strong record of academic output such as reviewed journal articles, presentations in national and international conferences along and/or intellectual property.
- develop and nurture a collaborative network within the EE department, across UTA campus, other aspirational universities and with local industry.
- serve the department, college and their technical community.

Required Qualifications:

The candidate must have the following attributes by the date of hire:

- a PhD in Electrical Engineering, or a closely related field.
- excellence in research that complements or extends existing research strengths in the

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- Department of Electrical Engineering, and the potential to attract external funding.
- evidence of excellence in teaching or the potential to perform well at both graduate and undergraduate levels in both the classroom and teaching laboratories.
- Participation in service to community, academic department, college and university.

Department Information:

Department of Electrical Engineering (EE) is part of the College of Engineering (CoE) at UTA, one of the largest engineering colleges in Texas (<https://www.uta.edu/engineering>). Active research areas include power electronics; renewable energy and energy storage, electric propulsion; power systems, cyber-physical systems, intelligent and autonomous systems; machine learning; environmental sensing; optics and photonics; and wireless communications. The EE department has strong support from the College of Engineering and UTA administration to continue its top tier status in research and teaching excellence. Photonics and Semiconductors are one of the focus areas of growth.

Recently, UTA announced the launch of the first phase of the Recruiting Innovative Scholars for Excellence 100 initiative (Rise100) with a goal of amplifying our research success and positioning UTA to be recognized as a leader in key areas of research.

University Information:

The University of Texas at Arlington is located in the heart of the Dallas-Fort Worth-Arlington metroplex, a vibrant and diverse metropolitan area that is home to over 7 million people, one of the fastest-growing tech economies in the United States, and a wide array of arts, entertainment, and cultural activities. UTA is a comprehensive teaching, research, and public service institution dedicated to the advancement of knowledge through scholarship and creative work. The University is committed to providing access and ensuring student success, and to a culture of innovation, entrepreneurship, and commercialization of discoveries by our community of scholars. With an enrollment of more than 40,000 students, UTA is the second largest in the University of Texas System. As a result of its combination of rigorous academics and innovative research, UTA is designated as a Carnegie R-1 "Very High Research Activity" institution. UTA ranks No. 4 nationally in Military Times' annual "Best for Vets: Colleges" list and is among the top 30 performers nationwide for promoting social mobility of its graduates (U.S. News & World Report, 2023). UTA is designated by the U.S. Department of Education as both a Hispanic-Serving Institution (HSI) and an Asian American and Native American Pacific Islander-Serving Institution (AANAPISI), and it has one of the top 5 most ethnically diverse undergraduate student bodies in the United States (U.S. News & World Report, 2023). Its approximately 270,000 alumni, including some who occupy leadership positions at many of the 24

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Fortune 500 companies headquartered in North Texas, contribute to UTA's \$22.2 billion annual economic impact on Texas.

Furthermore, UTA is poised to experience widespread growth in the near future. The university recently launched the first phase of its RISE 100 initiative aimed at recruiting 100 new tenure-system faculty to amplify research standing and position UTA as a leader in key scholarly areas; more details are available at <https://www.uta.edu/administration/president/strategic-plan/rise100>. The successful candidate for this position will have the opportunity to join UTA during an exciting period of growth and contribute as the university broadens its impact.

To apply applicants should go to <https://uta.peopleadmin.com/postings/25499> and submit the following materials:

- **Curriculum Vitae**
- **Cover Letter**
- **Unofficial Transcripts**
- **Contact information for 3 references**
- **Statement of Research Interest**
- **Statement of Teaching Interest**

Review of applications will begin November 15, 2023 and will continue until the position is filled. Questions may be addressed to Terri Earle at tearle@uta.edu.

For more information about UTA, please visit: <http://www.uta.edu/uta>.

EEO/AA Policy

It is the policy of The University of Texas at Arlington (UTA or The University) to provide an educational and working environment that provides equal opportunity to all members of the University community. In accordance with federal and state law, the University prohibits unlawful discrimination, including harassment, on the basis of race, color, national origin, religion, age, sex, sexual orientation, pregnancy, disability, genetic information, and/or veteran status. The University also prohibits discrimination on the basis of gender identity, and gender expression. Retaliation against persons who oppose a discriminatory practice, file a charge of discrimination, or testify for, assist in, or participate in an investigative proceeding relating to discrimination is prohibited. Constitutionally-protected expression will not be considered discrimination or harassment under this policy. It is the responsibility

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of all departments, employees, and students to ensure the University's compliance with this policy.

The University of Texas at Arlington is committed to providing reasonable accommodation to individuals with disabilities. If you require reasonable accommodation in completing this application, interviewing or otherwise participating in the employee selection process, please direct your inquiries to 817-272-5554 or email ADADocs@uta.edu.

Contact Information

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

Contact Ms. Terri Earle
Electrical Engineering
University of Texas at Arlington
Arlington, TX

Contact E-mail tearle@uta.edu