Position Description:

The Department Electrical and Computer Engineering in the College of Engineering at Texas Tech University invites applications for a full-time, 9-month, tenure-track, Assistant Professor to begin September 1, 2024. The candidate should have a background in the broad area of material research for **Solar Energy**. This position is part of the strategic hire of the Energy Pillar initiative and the successful candidate must work in close collaboration with the National Wind Energy Institute (NWI) at Texas Tech University.

About the University:

Established in 1923, Texas Tech University is a Carnegie R1 (very high research activity) Doctoral/Research-Extensive, Hispanic Serving, and state-assisted institution. Located on a beautiful 1,850-acre campus in Lubbock, a city in West Texas with a growing metropolitan-area population of over 300,000, the university enrolls over 40,000 students with 33,000 undergraduate and 7,000 graduate students. As the primary research institution in the western two-thirds of the state, Texas Tech University is home to 10 colleges, the Schools of Law and Veterinary Medicine, and the Graduate School. The flagship of the Texas Tech University System, Texas Tech is dedicated to student success by preparing learners to be ethical leaders for a diverse and globally competitive workforce. It is committed to enhancing the cultural and economic development of the state, nation, and world.

About the College:

The Whitacre College of Engineering is home to seven academic departments (chemical, civil & environmental & construction, electrical & computer, industrial, mechanical, petroleum, and computer science), offers over 30 degrees to about 6,600 students, including more than 850 graduate students. Research funding has grown substantially, with over $18 million annual research awards in recent years. The major research strengths are in wind science & engineering, pulsed power and power electronics, microscale and nanoscale devices, and semiconductor materials, engineering medicine, bioengineering, energetics, and polymer materials.

About the Department/School/Area:

The ECE Department is very research active, with over $7 million annual competitive research awards in recent years. The Department has earned national and international recognition in Nano-Photonics, Pulsed Power, Nanotechnology, Electric Energy, Radar Technology, and Biomedical Research, including genomics. The ECE Department houses modern laboratories, classrooms, and computer facilities for both teaching and research. Several recently renovated classrooms and a large undergraduate teaching laboratory support state-of-the-art pedagogical methods. The Department has five National Science Foundation CAREER awardees. Many faculties are recognized as fellows in major technical and professional societies in their fields, along with other prestigious awards such as the Presidential Award for Excellence in Science, Mathematics & Engineering Mentoring (PAESMEM).

About Lubbock:

Referred to as the "Hub City" because it serves as the educational, cultural, economic, and health care hub of the South Plains region, Lubbock boasts a diverse population and a strong connection to community, history, and land. With a mild climate, highly rated public schools, and a low cost of living, Lubbock is a family-friendly community that is ranked as one of the best places to live in Texas. Lubbock is home to a celebrated and ever-evolving music scene, a vibrant arts community, and is within driving distance of Dallas, Austin, Santa Fe, and other major metropolitan cities. Lubbock's Convention & Visitors Bureau provides a comprehensive overview of the Lubbock community and its resources, programs, events, and histories.

Major/Essential Functions:

In line with activities and priorities to engage and empower a diverse student body, enable innovative research and creative activities, and transform lives and communities through outreach and engaged scholarship,

applicants should have experience working with diverse student populations at the undergraduate and/or graduate levels within individual or across the areas of teaching, research/creative activity, and service.

Required Qualifications:

1. An earned doctorate in Electrical or Computer Engineering, or a field closely related to the search is required.
2. The successful candidate is expected to teach existing undergraduate and graduate courses and develop new courses.
3. Candidates are expected to build a research infrastructure that leads to extramural funding, scholarly publications, collaborations, and the training of students or other related fields to complement existing research activity in the Department. Candidates who have very strong records of scholarship supported by extramural funding and who have the proven capacity or clear potential to bring externally sponsored research to Texas Tech University are encouraged to apply.
4. Service to the Department, College, and University is expected. Experience working with diverse student populations and first-generation students is highly desirable.

Preferred Qualifications:

We are looking for individuals with expertise in the **photovoltaics** related research area (material and device development).

Safety Information:

Adherence to robust safety practices and compliance with all applicable health and safety regulations are responsibilities of all TTU employees.

Equal Opportunity Statement:

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, gender expression, national origin, age, disability, genetic information or status as a protected veteran.

Special Instructions to Applicants:

Please include the following documents in your application:

1. Curriculum Vitae
2. Cover Letter
3. Research Statement
4. Teaching Statement
5. Names and contact information of at least three references

Questions about this position should be directed to Dr. Ayrton Bernussi, Search Committee Chair at ayrton.bernussi@ttu.edu. If you need assistance with the application process, contact Human Resources, Talent Acquisition at hrs.recruiting@ttu.edu or 806-742-3851.

Application Process

The deadline to submit applications is on **03/31/2024**.

To ensure full consideration, please complete an online application at:

https://sjobs.brassring.com/TGnewUI/Search/Home/Home?partnerid=25898&siteid=5637#keyWordSearch=35812br

Requisition # **35812BR**