As part of its strategic growth plan, the Department of Physics and Astronomy at Texas Tech University (TTU) invites applications for a tenure-track faculty position in experimental condensed matter physics at the assistant professor level. The starting date for the position is September 1, 2023.

We expect this new faculty member to establish and develop an internationally recognized and visionary research program in experimental condensed matter physics, very broadly defined. 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. While the successful candidate will demonstrate the ability to work independently, it is expected that they will also develop collaborations within the Department and University. Considerable resources are available at TTU to strengthen and support interdisciplinary and collaborative research efforts. These include substantial start-up funds as well as access to shared scientific facilities. The Imaging Center, operated by the College of Arts and Sciences, has state-of-the-art capabilities in electron microscopy (both SEM and TEM), gallium Focused Ion Beam (FIB) nano-milling, advanced optical imaging, and sample preparation and analysis. The NanoTech Center supports research on the fundamental science and growth of advanced semiconductor materials. The Advanced Particle Detector Laboratory is developing innovative detector technologies for future applications, and the High Performance Computing Center makes its substantial resources and expertise available to faculty. The department boasts strong and well-funded research groups. Furthermore, TTU is classified as a ‘R1: Highest Research Activity’ University by the Carnegie Foundation, and it has been named an ‘Innovation and Economic Prosperity (IEP)’ University by the Association of Public and Land Grant Universities (APLU).

Candidates must have a Ph.D. in physics or a closely related field. Three years of post-doctoral experience is preferred, but others who have obtained an outstanding research record early in their professional careers will also be considered. All candidates must show promise of excellent teaching at both the undergraduate and graduate levels. Candidates should have demonstrated and ongoing commitment to serving diverse student populations. Experience working with diverse student populations and first-generation students is highly desirable. Candidates are expected to garner extramural funding to support their research activities. Service duties include program-building, as well as a commitment to extra-curricular activities. Service to the department, college, and university is also expected.

Each applicant should submit a CV, list of publications, statement of research interests and plans, teaching philosophy, and contact information for at least three references. Applications should be submitted online at http://jobs.texastech.edu, using requisition 30257BR. Inquiries should be sent to Professor Myoung-Hwan Kim (myounghwan.kim@ttu.edu). Review of applications will begin on November 1, 2022.

As an Equal Employment Opportunity/Affirmative Action employer, Texas Tech University is dedicated to the goal of building a culturally diverse faculty committed to teaching and working in a multicultural environment. We actively encourage applications from all those who can contribute, through their research, teaching, and/or service, to the diversity and excellence of the academic community at Texas Tech University. The university welcomes applications from minoritized candidates, women, veterans, persons with disabilities, and dual-career couples. Texas Tech University is a Hispanic Serving Institution (HSI).