

Dare to be first.



### Open Rank Faculty Hire in Solid State Materials

**The Department of Materials Science and Engineering** at the University of Delaware is seeking a new faculty colleague in solid-state materials. This an open rank tenured/tenure track search and the level of appointment will be commensurate with the successful candidate's experience. Areas of research interest include, but are not limited to, molecular beam epitaxy (MBE) growth, heterostructures, hybrid materials, and electronic, photonic, and quantum materials. Applicants are encouraged to describe how their expertise will complement existing departmental strengths and technical capabilities including two-dimensional materials characterization; III-V and chalcogenide materials growth, device fabrication, and optical characterization; metamaterials design, fabrication, and characterization; *ab-initio* solid-state materials theory; and emergent functionality in layered and heterogeneous materials. The successful candidate will join a collaborative community of researchers with access to staff-supported state-of-the-art research capabilities including nanofabrication, electron microscopy, and materials characterization facilities, an epitaxial materials growth facility, and several supercomputers. We seek creative and innovative individuals who have demonstrated excellence in research and who will engage in high-quality teaching and mentoring at both the undergraduate and graduate levels. Several leadership opportunities exist for interested candidates.

The University of Delaware combines a rich historic legacy in science and engineering with a commitment to undergraduate education and scholarly excellence. With external funding exceeding \$200 million, the University ranks among the top 100 universities in federal R&D support. State-of-the-art facilities support research across all seven colleges and numerous interdisciplinary institutes and centers. The main campus in Newark, Delaware, provides the amenities of a vibrant college town with convenient access to the major cities of the East Coast. The recently opened 194,000-square-foot Harker Interdisciplinary Science and Engineering Laboratory greatly expands opportunities and resources for research and education, and the 272-acre STAR (Science, Technology and Advanced Research) campus offers even more opportunities for research, academic, and commercial development. UD is also the recipient of a National Science Foundation ADVANCE Institutional Transformation Grant, focused on enhancing the climate of the university for women and underrepresented minority faculty.

Candidates must have a PhD degree in materials science and engineering, physics, or a related discipline. Applicants should submit a curriculum vita; a 3-6-page statement describing their research plans; a 1-2 page statement of experience and interests in teaching, mentoring, diversity, equity, and inclusion; and contact information for at least three references. The University of Delaware is committed to diversity in hiring; women and people from diverse cultures and backgrounds are especially encouraged to apply. The University is also supportive of the needs of dual-career couples. Review of applications will begin on November 15<sup>th</sup>, 2023, and continue until the position is filled. Applications may be submitted by going to <https://careers.udel.edu/> and searching for job ID [500398](#).