

**Carnegie Mellon University
Department of Materials Science and Engineering
Tenure-Track Faculty Position**

The Department of Materials Science and Engineering (MSE) at Carnegie Mellon University is seeking applications for multiple tenure-track positions at the rank of Assistant Professor, although particularly compelling candidates will be considered at higher ranks. We are looking for candidates with a strong experimental interest in one of the following two research areas:

- **Electronic/Magnetic/Quantum Materials:** This includes (but is not limited to) engineered growth and characterization of thin films or crystals, with particular interest in materials related to electronic or spintronic devices for information technology applications. It also includes experimental investigation of solid-based quantum materials such as topological insulators, graphene, Weyl semimetals, quantum spin liquids, and superconductors.
- **Electrochemically Functional Materials:** This includes (but is not limited to) the study of bulk powders, thin film ceramics, metals, polymers, membranes, or nanostructured carbons that serve to either harness or catalyze electrochemical reactions. The materials typically are applied in a range of devices including: batteries, fuel cells, electrolyzers, biomedical devices, gas/fuel processing, bulk materials synthesis/processing, and more.

We will consider candidates who hold a Ph.D. in a relevant discipline and who have demonstrated a commitment to the values embodied by our vision and mission. We expect tenure-track faculty to establish and grow an internationally recognized research program, to contribute to excellence and innovations in teaching, to actively participate in broad professional development activities, and to mentor students towards successful outcomes, both while at CMU and in their future careers. Tenure-track faculty tend to carry a moderate teaching load that allows them time to establish a research group and to develop themselves within the university community.

The mission of the MSE department covers four broad areas: education, research, dissemination of knowledge, and synergy. We aim to provide and be internationally recognized for a world-class educational environment where undergraduate and graduate students receive a modern, rigorous and innovative curriculum that will lead them to successful careers in academia, government, or industry. It is our goal to advance our fundamental understanding of materials in an interdisciplinary setting that complements the strategic vision and mission of the college of engineering and the university. We aim to transfer our newly acquired knowledge via peer-reviewed publications and books as well as close collaborations with industry. And we strive to develop a friendly and supportive environment in which all department members can be successful.

We take pride and active steps in considering diverse applicant pools in terms of gender, race, veteran status, and disability. Carnegie Mellon University further seeks to meet the needs of dual-career couples and is a member of the Higher Education Recruitment Consortium (HERC) that assists with dual-career searches.

Review of applications will commence after November 1, 2023 and will continue until the positions are filled. The expected start date for the positions is July 1, 2024. E-mail inquiries regarding this job posting may be sent to the Search Committee at mse-faculty-search-2023@andrew.cmu.edu.

Interested candidates should submit applications electronically including a cover letter, contact information for three references and three statements: Statement of Research Experience and Interests, Statement of Teaching Experience and Interests, and a Diversity Statement that outlines how you have contributed to, or plan to contribute to, equity, diversity, and inclusion at <http://apply.interfolio.com/130929>