



Functional Materials Faculty Position
Department of Mechanical Engineering and Materials Science
The University of Pittsburgh

The Department of Mechanical Engineering and Materials Science (MEMS) at the University of Pittsburgh (Pitt) invites applications for a tenure track assistant professor position in the area of **Functional Materials**. Successful applicants should have the ability to build an externally funded research program, as well as contribute to the teaching mission of the MEMS Department. Applicants should have a PhD or ScD in Materials Science & Engineering or a related field. Applicants with outstanding track records at the associate professor and full professor levels are also encouraged to apply, but the focus will be at the assistant professor level.

We are seeking applicants who have strong interdisciplinary interests and who can collaborate across engineering disciplines. The primary hiring focus will be on candidates with demonstrated experimental research experience and a sound fundamental understanding of electronic, optical and/or magnetic properties of materials. Examples include, but are not limited to: oxide/hybrid semiconductors for artificial-intelligence devices; optically/magnetically active materials for brain and other in-situ imaging; emerging light absorbers for affordable photovoltaics; piezotronics and other sensing materials for extreme environments; and novel materials for conversion and/or storage of energy.

The MEMS Department currently has 30 tenured or tenure-track faculty members who generate over \$7 million in annual research expenditures. The Department maintains cutting-edge experimental and computational facilities in its five core research competencies: advanced manufacturing and design; materials for extreme conditions, biomechanics and medical technologies; modeling and simulation; energy system technologies; and quantitative and in situ materials characterization.

The successful candidate for this position will benefit from the resources, support, and a multidisciplinary research environment fostered by many interdisciplinary centers, including the University of Pittsburgh's Center for Research Computing (<http://www.crc.pitt.edu>) and the Petersen Institute of NanoScience and Engineering (<http://www.nano.pitt.edu>), located within the Swanson School of Engineering. The latter is a user facility that houses state-of-the-art materials characterization and fabrication capabilities.

Qualified applicants should submit their applications through Interfolio at the following link: <https://apply.interfolio.com/55181>. The application should include the following materials in pdf form: a curriculum vitae, a statement of research and teaching plans, and name and contact information of at least three references. Review of applications will begin on November 1, 2018, and continue until the position is filled.

Candidates from groups traditionally underrepresented in engineering are strongly encouraged to apply. The candidate should be committed to high-quality teaching for a diverse student body and to assisting our Department in enhancing diversity. The University of Pittsburgh is an equal opportunity/affirmative action employer.