



**Materials for Extreme Environments 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 at all academic levels for a tenure-track professor position in the area of **Materials for Extreme Environments**, with a particular focus on corrosion resistance. 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 and Engineering or a related field.

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 and/or computational research experience and a sound fundamental understanding of thermodynamic and kinetic properties associated with materials for use in extreme environments. Examples include materials for use in all forms of corrosive environments, protective coatings, and environmental barrier coatings.

The MEMS Department currently has 30 tenured or tenure-track faculty members who generate over \$8 million in annual research expenditures. The Department maintains cutting-edge experimental and computational facilities in its six core research competencies: materials for extreme environments; advanced manufacturing and design; soft matter biomechanics; computational and data-enabled engineering; nuclear and other sustainable energies; and quantitative and *in situ* materials characterization.

The successful candidate for this position will benefit from the resources, support, and multidisciplinary research environment fostered by 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, which 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/68093>. The application should include the following materials in pdf form: a curriculum vitae, a statement of research and teaching plans, and the names and contact information of at least three references. Review of applications will begin on November 1, 2019, 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 Department of Mechanical Engineering and Materials Science fosters an inclusive academic teaching, learning, and research culture that supports the success of its diverse faculty and students. The University of Pittsburgh is an equal opportunity/affirmative action employer.