



## **Faculty Position in Mechanical Engineering**

The Department of Mechanical Engineering ([www.me.udel.edu](http://www.me.udel.edu)) at the University of Delaware (UD) invites applications for a tenure-track faculty position at the Assistant Professor level in the area of thermal fluids with applications in energy, environment or manufacturing. Possible topics include, but are not limited to, multiphase fluid or thermal transport, phase change heat transfer, complex fluids, thermofluid device design, microfluidics/MEMS, instrumentation, bio-inspired fluid mechanics, aerodynamics, environmental fluid dynamics, and combustion. We seek ambitious, creative, and innovative individuals with interdisciplinary spirit and vision, who have demonstrated excellence in research and the drive to become leaders in their fields while maintaining high-quality teaching and mentoring activity.

The department consists of 25 full-time faculty members actively engaged in the core research areas of biomechanics, clean energy and environment, composite and advanced materials, nanotechnology, and robotics and controls; annual research expenditures are \$6.5 million. In addition to hosting the Center for Fuel Cell Research and the Center for Biomechanical Engineering Research, we have established strong ties to several strategic campus-wide institutions such as the Center for Composite Materials, the Center for Carbon-free Power Integration, the Delaware Biotechnology Institute, the Delaware Environmental Institute, the Delaware Rehabilitation Institute, the Institute for Energy Conversion, and the UD Energy Institute. The UD Nanofabrication Facility supports scientific advances in fields ranging from medical diagnostics to environmental sensing to solar energy harvesting. Collaborative opportunities exist in the College of Earth, Ocean and Environment, as well as the Center for Applied Coastal Research. UD is also a member of the University Corporation for Atmospheric Research. The undergraduate program is in high demand (over 500 students enrolled) and places a strong emphasis on research and real-world design.

The University of Delaware combines a rich historic legacy in engineering ([www.engr.udel.edu/](http://www.engr.udel.edu/)) with a commitment to undergraduate education and the creation of new impactful knowledge. With external funding exceeding \$200 million, the University ranks among the top 100 universities in federal R&D support for science and engineering. Supported by state-of-the-art facilities, research is conducted across all seven colleges and numerous interdisciplinary institutes and centers. The newly erected 194,000-square-foot Harker Interdisciplinary Science and Engineering Laboratory greatly expands opportunities and resources for interdisciplinary research and education, and the recently acquired 272-acre STAR (Science, Technology and Advanced Research) campus offers even more opportunities for research, academic, and commercial development. 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.

Applicants must hold a Ph.D. in mechanical engineering, or closely related field. To ensure full consideration, applications should be received at [apply.interfolio.com/37616](http://apply.interfolio.com/37616) before December 15, 2016. However, the search will continue until the position is filled.

University of Delaware is an Equal Opportunity Employer which encourages applications from Minority Group Members, Women, Individuals with Disabilities and Veterans. The University's Notice of Non-Discrimination can be seen at: [www.udel.edu/aboutus/legalnotices.html](http://www.udel.edu/aboutus/legalnotices.html).