



Faculty Position in Advanced Manufacturing

The Department of Mechanical Engineering (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 interdisciplinary field of advanced manufacturing. Research areas of interest include, but are not limited to, bio-additive manufacturing, printing of smart materials, polymer composite additive manufacturing, composite manufacturing science including multi-scale, multi-physics modeling and simulation, scalable nanomanufacturing, sustainable and green processes and technologies, and intelligent production systems. We seek ambitious, creative, and innovative individuals with interdisciplinary spirit and vision who have demonstrated excellence in research and have the drive to become leaders in their fields while maintaining high-quality teaching and mentoring activity.

The department consists of 29 full-time faculty members actively engaged in the core research areas of biomechanics, clean energy and environment, composites and advanced materials, nanotechnology, and robotics and controls; annual research expenditures are \$6.5 million. In addition to hosting the Center for Fuel Cells and Batteries and the Center for Biomechanical Engineering Research, we have strong ties with 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. Campus-wide initiatives in advanced manufacturing include the establishment of two National Networks for Manufacturing Innovation (NNMI) as well as other interdisciplinary centers and institutes involved with manufacturing science.

The University of Delaware (www.udel.edu) combines a rich historic legacy in engineering with a commitment to undergraduate education and the creation of new impactful knowledge. The undergraduate program is in high demand (over 500 students enrolled) and places a strong emphasis on research and real-world design. With external funding exceeding \$200 million, the University ranks among the top 100 universities in federal R&D support for science and engineering. The 194,000-square-foot Harker Interdisciplinary Science and Engineering Laboratory includes shared laboratories for nanofabrication and advanced materials characterization and greatly expands opportunities for interdisciplinary research and education. The 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. Please submit applications online at apply.interfolio.com/45216. Applications must include a cover letter, curriculum vitae, a description of research and teaching interests, and the names, addresses, telephone numbers and e-mail addresses of at least three references. To ensure full consideration, applications should be received before December 15, 2017. The search will continue until the position is filled.

University of Delaware is an Equal Opportunity Employer and encourages applications from minority group members, women, individuals with disabilities and veterans. The University's Notice of Non-Discrimination can be viewed at: www.udel.edu/aboutus/legalnotices.html.