



### **Open Rank Faculty Positions**

*Assistant Professor/Associate Professor/Full Professor  
Mechanical Engineering and Mechanics Department*

The Mechanical Engineering and Mechanics Department at Drexel University is seeking to fill multiple tenure-track faculty positions starting fall of 2013. Priority will be given to candidates with expertise in one or more of the following areas:

**1. Computational Solid Mechanics:** *Specific areas include, but are not limited to, emerging computational methods with emphasis on sub-continuum scale simulations and high performance computing for multiscale mechanics of novel materials.*

**2. Sensing and Instrumentation:** *Specific areas include, but are not limited to, biosensors, bio-instrumentation, cell/tissue-on-chips, bioreactors, high-throughput single cell analysis, medical diagnostics, and implantable devices.*

**3. Advanced Manufacturing and Design:** *Specific areas include, but are not limited to, scalable micro/nano-manufacturing, sustainable design and manufacturing processes, engineering systems design, and modern design methodologies.*

Candidates should have an excellent academic record and be committed to education, research and service. Creative and adaptable candidates with a high potential for both teaching and research are being sought. Candidates for the rank of *Assistant Professor* should have received or expect to receive their Ph.D. in Mechanical Engineering, or a related discipline, prior to August 2013. Candidates for the ranks of *Associate* or *Full Professor* should have a distinguished record of research and educational activities as well as a strong funding history.

Applications and general inquiries should be directed to Dr. Bakhtier Farouk, Search Committee Chair, at [MEM.Faculty.Search@coe.drexel.edu](mailto:MEM.Faculty.Search@coe.drexel.edu). Applications should include a detailed cover letter, a CV, research and teaching statements, and the contact information for a minimum of three references in a single PDF file.

The MEM Department is rapidly expanding in enrollment, research, and resources. The department has twenty-six tenured and tenure-track faculty, as well as eleven affiliated faculty. In addition to the traditional areas of mechanics, thermal fluid sciences, systems and controls, and design and manufacturing, the department has expertise in biomechanical engineering, micro- and nano-systems, advanced energy technologies, bio-inspired systems and robotics, and plasma science and applications. Drexel University was founded in 1891 and is located in the heart of Philadelphia, PA, a vibrant city with a strong industrial base in aerospace, biotechnology, chemicals, and pharmaceuticals. The center city campus is a short train ride or drive from New York City, Washington, D.C., the Atlantic seaboard, the Pocono Mountains, and numerous other educational and recreational sites.

Review of applications will begin immediately and the search will remain open until the positions are filled.

*Eligibility to work in the United States at the time of appointment is required. Drexel University is an Equal Opportunity and Affirmative Action employer.*