



Faculty Openings in Mechanical Engineering Villanova University

Villanova University is located 10 miles from Philadelphia along the historic Main Line, and is well connected by public transportation to a flourishing metropolis. From its founding in 1842 to its position today as a leading Catholic university, Villanova University has forged a path of academic excellence.

The College of Engineering, in its 102nd year, is a tightly integrated college with four departments, three world-class interdisciplinary research centers and a national ranking in the top ten among universities offering bachelor's and master's degrees. The College prides itself on its commitment to education with small classes and a close-knit community with easy sharing of facilities and research resources.

The **Department of Mechanical Engineering** (<http://engineering.villanova.edu/me>) has eighteen faculty with 240 undergraduate students and 90 graduate students, and offers BS, MS and PhD degrees. The department has **four** faculty openings in the following areas.

modeling and development of **biological** systems including biomechanics, biofluids, biotransport, biosensors, and medical devices.

modeling, design, and manufacturing of **nanomechanical** devices, materials, and systems.

mechatronics, sensors, and electromechanical systems.

thermal sciences and energy technology with emphasis on nano- and micro-scale transport phenomena.

Required are a Ph.D. in Mechanical Engineering or a closely related field, a commitment to teaching excellence and innovation at both the undergraduate and graduate levels, and the potential to develop a high quality, nationally visible, externally funded research program. Starting date is Fall 2008.

Please send your applications by e-mail (preferred) to mesearch@villanova.edu, or by mail to Search Committee, Department of Mechanical Engineering, Villanova University, Villanova, PA 19085. Please specify your area of specialty in the cover letter. Applications should include a curriculum vita, detailed research and teaching statements, and the names and addresses of at least three references. Applications will be accepted until the positions are filled.

Villanova is a Catholic University sponsored by the Augustinian order. An AA/EEO employer, Villanova seeks a diverse faculty committed to scholarship, service, and especially teaching, who understand, respect, and can contribute to the University's mission and values.