The Department of Mechanical Engineering at Vanderbilt University invites applications for a tenure-track faculty position at the rank of Assistant Professor to begin in the fall of 2016. We are particularly seeking outstanding candidates in the area of nanomaterials, for solving critical energy issues, as part of the Vanderbilt School of Engineering’s strategic growth initiative in Energy and Natural Resources. We strive for an active, culturally and academically diverse faculty of the highest caliber, skilled in both scholarship and teaching. The Department of Mechanical Engineering has 15 tenured/tenure-track faculty members with strong reputations in research fields including nanoeengineering, rehabilitation engineering, and medical robots, with an annual research expenditure of $6.7 million. The department encourages interdisciplinary research and the faculty is affiliated with 8 cross-campus research centers. The successful candidate is expected (1) to teach at the undergraduate and graduate levels, (2) to establish vigorous research programs with extramural funds, and (3) to contribute to the synergetic efforts in the School of Engineering and the Vanderbilt Institute of Nanoscale Science and Engineering to address vital issues in Energy and Natural Resources. Applications consisting of a cover letter, a complete curriculum vitae, statements of teaching and research interests, and the addresses of at least three references (include email address) should be submitted on-line at https://academicjobsonline.org/ajo/jobs/6048

Ranked in the top 20 nationally, Vanderbilt is a private, internationally renowned research university located in vibrant Nashville, Tennessee. Its 10 distinct schools share a single cohesive campus that nurtures interdisciplinary activities. The university has a student body of over 12,000 undergraduate, graduate, and professional students, including 25.3% minority students and 1,169 international students from 84 countries. The School of Engineering currently comprises 90 tenured and tenure-track faculty, operates with an annual budget of over $100 million including $72 million of externally funded research, and teaches 1,400 undergraduate and nearly 500 graduate students. The School of Engineering over the past decade has been on a strong upward trajectory in its national and international stature and prominence, and is entering a period of growth in terms of faculty and facilities. In the 2015 rankings of graduate engineering programs by U.S. News & World Report, the School ranks in the top three among programs with fewer than 100 faculty members.

With a metro population of approximately 1.5 million people, Nashville has been named one of the 15 best U.S. cities for work and family by Fortune magazine, was ranked as the #1 most popular U.S. city for corporate relocations by Expansion Management magazine, and was named by Forbes magazine as one of the 25 cities most likely to have the country's highest job growth over the coming five years. Major industries include tourism, printing and publishing, manufacturing, music production, higher education, finance, insurance, automobile production, and health care management. Vanderbilt University is an Affirmative Action/Equal Opportunity Employer. Women and members of under-represented minority groups are especially encouraged to apply. Vanderbilt aspires to become a leader among its peer institutions in making meaningful and lasting progress in responding to the needs and concerns of women and members of under-represented minority groups.