

Mechanical, Materials and Aerospace Engineering

University of Central Florida, Orlando, FL 32816

TENURE-TRACK FACULTY OPENINGS

The *Department of Mechanical, Materials and Aerospace Engineering* (MMAE) of the University of Central Florida (UCF), Orlando, Florida, invites applications for several tenure-track faculty positions at the Assistant Professor level to start August 2010. Of particular interest are candidates who can support our teaching mission in established curricula while building an experimental/theoretical research program in the general areas of Mechanical, Materials, and Aerospace engineering. A doctoral degree in Mechanical, Materials, or Aerospace Engineering is required in addition to an established record of research in Energy and Biomechanics/Biomaterials with strong grounding in any of the broad areas of Mechanics and Materials. We are seeking exceptional candidates nationally to establish strong research programs in the above mentioned areas. The search committee will pay special attention to research background, publications, external funding and other related credentials that will further strengthen the department. We expect the candidate to (1) establish a robust externally funded research program, and (2) be an outstanding teacher for undergraduate and graduate courses. Evidence of prior funding is a plus.

With more than 1,600 undergraduate and 200 graduate students, the Department offers doctoral programs in Mechanical Engineering (ME) and Materials Science and Engineering (MSE), master's programs in ME, MSE and Aerospace Engineering (AE), and bachelor's programs in ME and AE (both ABET-accredited). The instructional and research activities are conducted by over 30 tenured/tenure-track faculty members, many of whom have joint appointments with UCF's research units, including the Institute for Simulation and Training (IST), the Advanced Materials Processing and Analysis Center (AMPAC), the NanoScience Technology Center (NSTC), the Center for Research and Education in Optics and Lasers (CREOL), and the Florida Solar Energy Center (FSEC).

The Department's annual research funding exceeds \$5M, and five of its faculty members have received NSF CAREER awards during the past six years. Recently the Department took leadership roles in multi-campus energy initiatives that led to federal and state funding. The Department is one of the partners of Florida Center for Advanced Aero-Propulsion (FCAAP). UCF is near the Kennedy Space Center as well as major facilities of Lockheed-Martin, Siemens Power Corporation, Boeing and Harris Corporations. The Central Florida Research Park is located adjacent to the UCF campus and is home to the nation's largest cluster of government agencies and industries specialized in training and simulation R&D. Located in the heart of the I-4 high tech corridor, UCF has one of the largest enrollments among U.S. universities. For more details regarding the department, visit www.mmae.ucf.edu or e-mail mmae-dept@mail.ucf.edu.

Review of candidates will begin on December 15, 2009 and will continue until the position is filled. Candidates should submit (a) *a cover letter*, (b) *curriculum vitae*, (c) *a brief description of research and teaching plans*, (d) *the names and contact information of three referees*, and (e) *an application online at www.jobswithucf.com/applicants/Central?quickFind=74357*.

The University of Central Florida is an equal opportunity/affirmative action employer.