



NanoScience Technology Center

DIRECTOR, NANOSCIENCE TECHNOLOGY CENTER AND ADVANCED MATERIALS PROCESSING AND ANALYSIS CENTER

The University of Central Florida, a major metropolitan research university located in Orlando, FL, with over 48,000 students, is searching for a Director of its NanoScience Technology Center (NSTC) and Advanced Materials Processing and Analysis Center (AMPAC). The successful candidate is expected to lead both centers and develop plans for the merger of the two centers with a recurring annual budget approaching \$5 million. The Director reports to the Vice President for Research and Commercialization.

The NSTC (<http://www.nanoscience.ucf.edu/>) has grown to 14 faculty members with over 75 Ph.D. students and staff in less than 3 years. It has 20,000 sq. ft. of state-of-the-art laboratory space with approximately \$8M in external funding to date. The research focus of the NanoScience Technology Center is interdisciplinary nanoscale science involving nanomaterials for energy applications, nanoelectronics and devices, quantum computing, drug delivery, nanotoxicity, biomolecular imaging and sensing, in vitro functional diagnostics, biomedical engineering, nanomanufacturing and related disciplines supporting High Tech Industry. There is already an undergraduate nanoscience track in place. It is expected that the new Director will lead the hiring of approximately 20 faculty members over the next five years.

AMPAC (<http://www.ampac.ucf.edu/>) conducts leading-edge interdisciplinary education and research in advanced materials, including crystal growth, shape memory alloys, mechanical behavior, magnetic, optical, and electronic materials, thin films, sensors, ceramics, powder metallurgy, non-equilibrium processing of materials, nanosynthesis and consolidation, high temperature materials and coatings, material stability and degradation, and biomaterials, for applications that include energy, microelectronics, MEMS, nanotechnology and bioengineering. In addition to 9 tenured/tenure-earning faculty and 17 affiliated faculty, AMPAC has five full-time staff



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who support two major multi-user facilities: the 7,000 ft² Materials Characterization Facility (MCF) and the 2,600 ft² class 100/1000 clean room Advanced Microfabrication Facility (AMF). These facilities, staff and faculty are foundational elements of the associated interdisciplinary Materials Science and Engineering degree program that has a current enrollment of over of 19 MS and 53 PhD students.

UCF seeks candidates with proven track records of research accomplishments in nanoscale and engineering materials science. The candidate must have a Ph.D. in an appropriate discipline from an accredited institution and be eligible for appointment with tenure at the full professor rank. Preference will be given to those with exceptional vision, commitment and leadership skills; and be able to enthusiastically coordinate industry, faculty and administration efforts in growing the research programs in nanoscale science and materials engineering.

Review of candidates will begin on March 31, 2008, and continue until the position is filled. Electronically submit curriculum vitae, a summary of research accomplishments, vision for the Centers, and the names and contact information of three references to: **Dean Eric Van Stryland, Chair of the AMPAC-NSTC Search Committee, CREOL, The College of Optics & Photonics, University of Central Florida, PO Box 162700, Orlando, FL 32816-2700 - AMPAC-NANOSEARCH@CREOL.UCF.EDU.**

The University of Central Florida is an affirmative action/equal opportunity employer. As a member of the Florida State University System, all application materials and selection procedures are available for public review.