Tenure Track Faculty Positions in  
Department of Mechanical and Materials Engineering  
College of Engineering and Applied Science, University of Cincinnati

The Department of Mechanical and Materials Engineering in the College of Engineering and Applied Science (CEAS) at the University of Cincinnati invites applications for two full-time tenure-track faculty positions one each in the Mechanical Engineering Program and the Materials Science and Engineering Program, starting January 1 or August 15. Applications at the assistant or associate professor level are preferred.

UC has a strong commitment to the principle of diversity and, in that spirit, seeks a broad spectrum of exceptional candidates including women, minorities, and people with disabilities. Individuals with disabilities desiring accommodations in the application process should contact the University of Cincinnati Human Resources Department, phone (513) 556-6381. UC is the recipient of the National Science Foundation ADVANCE Institutional Transformation Award to increase the participation of women in academic science and engineering careers.

The department of Mechanical and Materials Engineering currently has 37 faculty members (10 in Materials) and an enrollment of about 800 undergraduate and 250 graduate students. The department presently offers an ABET accredited B.S. degree in Mechanical Engineering, an ABET accredited B.S. degree in Mechanical Engineering Technology, M.S. and Ph.D. degrees in Mechanical Engineering and M.S. and Ph.D. degrees in Materials Science and Engineering. Currently, the College of Engineering and Applied Science also offers Materials Engineering minor in all engineering programs. Additional information about the department, college and university can be found at [http://www.eng.uc.edu/dept_min/](http://www.eng.uc.edu/dept_min/).

The University of Cincinnati, a premier, public, urban research university ranked as one of America’s top 26 public research universities by the National Science Foundation, is located in beautiful southwest Ohio. This great region, positioned along the banks of the scenic Ohio River reaches across portions of three states. Cincinnati is a vibrant metropolis full of culture & history and overflowing with endless events & attractions. The City of Cincinnati is also known for a strong arts culture; including Aronoff Center, Cincinnati Playhouse in the Park, Cincinnati Museum Center and Cincinnati Art Museum. Greater Cincinnati is also home to nine Fortune 500 companies and 2 Fortune 100 companies.

**Material Science and Engineering Program Position in Physical and Mechanical Metallurgy**  
Candidates are sought with research specialties in physical and mechanical metallurgy with emphasis on lightweight alloys, high-temperature alloys and/or additive manufacturing of metals. Qualifications include a doctorate in materials science and engineering or closely related discipline and a record of scholarly achievement. Expertise in microstructural characterization including diffraction and analytical/high-resolution electron microscopy and spectroscopy are desirable. The successful candidate is expected to develop a strong funded research program, supervise graduate research, publish in archival journals, and teach graduate and undergraduate courses in the metallurgy and materials characterization.

The Materials Science and Engineering Program has a long history in metallurgical engineering dating back to 1950 as can be found at [http://www.min.uc.edu/me/mse/materials-science-and-engineering](http://www.min.uc.edu/me/mse/materials-science-and-engineering). There are active research programs in surface science, advanced mechanical surface treatments like laser shock peening, high temperature and lightweight alloys, nanotechnology for energy applications, flexible solar cells, nano-medicine, ceramic composites and structure of soft matter.

Please contact for all other questions:
Dr. Sam Anand, Sam.Anand@uc.edu  
Chair, Physical and Mechanical Metallurgy Faculty Search Committee  
Link to apply:  
or use a shortened link:  [https://goo.gl/th0RYz](https://goo.gl/th0RYz)

**Mechanical Engineering Program Position in Structural Dynamics**

Candidates are sought with research specialties in the areas of structural dynamics, applied system dynamics including sensors, instrumentation and digital signal processing, machinery dynamics, nonlinear system analysis, structural health monitoring, vibro-acoustics, automotive NVH, and other related fields. A strong background in both experimental and analytical techniques, and experience in university, industry or a government research laboratory are highly desirable. Qualifications for the position include a doctorate in mechanical engineering or closely related discipline, and proven record of scholarly activities. The successful candidate is expected to develop a strong funded research program independently as well as in collaboration with existing faculty, supervise graduate research, publish in archival journals, and teach graduate and undergraduate courses in the structural dynamics area.

The Mechanical Engineering Program has a strong tradition in structural dynamics that originated in 1960s. There are vibrant research programs primarily funded by industry in experimental and theoretical vibration analysis, vibro-acoustics, gear dynamics and active and passive noise control. For more details, please also visit [http://www.min.uc.edu](http://www.min.uc.edu); [http://www.sdrl.uc.edu](http://www.sdrl.uc.edu); [http://www.min.uc.edu/tlim](http://www.min.uc.edu/tlim).

Please contact for all other questions:  
Dr. David Thompson, David.Thompson@uc.edu  
Chair, Structural Dynamics Faculty Search Committee  
Link to apply:  
or use a shortened link:  [https://goo.gl/jFQkS0](https://goo.gl/jFQkS0)

Applications must include the candidate’s curriculum vitae, name and contact information for at least three references and a cover letter summarizing the candidate's research plan and teaching interests. Review of applications will begin immediately and continue until positions are filled. The search committee may request further documentation, including letters of recommendation.

Please visit [https://jobs.uc.edu](https://jobs.uc.edu) for a listing of all open positions.

**EEO/AA:** The University of Cincinnati has a strong commitment to the principle of diversity and, in that spirit, seeks a broad spectrum of candidates including women, minorities, veterans and people with disabilities. Individuals with disabilities desiring accommodations in the application process should notify the Human Resources Department at 513-556-6381 by the application deadline.