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### **TENURE-TRACK ASSISTANT PROFESSOR DEPARTMENT OF MATERIAL SCIENCE AND ENGINEERING UNIVERSITY OF TENNESSEE, KNOXVILLE**

The Department of Materials Science and Engineering (MSE) at the University of Tennessee, Knoxville (UTK) invites applications for a tenure-track faculty position at the rank of Assistant Professor in the area of structural materials. Specific areas of interest include, but are not limited to, thermodynamics and kinetics of metals and alloys, structural alloy design and synthesis, phase transformation, solidification, mechanical behavior, metal forming and joining, corrosion, and additive manufacturing. Candidates with backgrounds in experimental, theoretical, and/or computational materials research in the areas mentioned above are all encouraged to apply. The successful candidate will be expected to establish strong sponsored research programs in collaboration with faculty members at the University and encouraged to develop collaborations with scientists at the nearby Oak Ridge National Laboratory (ORNL).

Applicants must hold a doctorate degree in materials science and engineering, metallurgy, or closely related field of study and have an established record of excellence in their area of specialization. The successful candidate must also have a balanced perspective on research and teaching/mentoring of the subjects mentioned above at the undergraduate and graduate levels.

Application package should be submitted as a single (PDF) electronic file to MSESearch1@utk.edu. The required documents are: (1) a cover letter, (2) curriculum vitae including a list of publications, (3) the names and contact information (address, phone number, and email address) of five professional references, (4) a research statement (maximum two pages), (5) a teaching statement (maximum two pages), and (6) copies of three most significant papers. Review of applications will begin on November 1, 2017, and continue until the position is filled. Anticipated start date is on or after August 1, 2018.

The MSE Department is entering a significant new era and plays an important role in the college's and university's vision to become a Top-25 public research institution and to take advantage of unique opportunities for research partnerships with ORNL. MSE also interacts with research centers including the Joint Institute for Advanced Materials (JIAM), Joint Institute for Neutron Sciences (JINS – Shull Wollan Center), Joint Institute for Computational Sciences (JICS), Center for Nanophase Materials Sciences (CNMS), Center for Materials Processing (CMP), and the Scintillation Materials Research Center (SMRC). The Department has a current enrollment of approximately 200 students, including 120 undergraduates and 80 graduate students, with 19 tenured/tenure-track faculty with over \$11 million in annual research expenditure and approximately 30 other adjunct and research faculty, many with joint appointments at ORNL or other departments within the Tickle College of Engineering (TCE) (<http://www.engr.utk.edu/mse/>). The TCE, with eight academic departments with more than 3,000 and 1,000 undergraduate and graduate students, respectively, is ranked by US News as 33<sup>rd</sup> among public colleges of engineering granting the PhD.

*The University of Tennessee is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA institution in the provision of its education and employment programs and services. All qualified applicants will receive equal consideration for employment without regard to race, color, national origin, religion, sex, pregnancy, marital status, sexual orientation, gender identity, age, physical or mental disability, or covered veteran status.*

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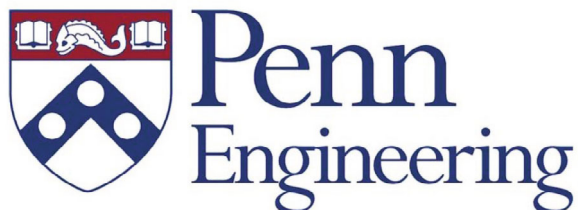
The Department of Materials Science and Engineering (MSE) at the University of Tennessee, Knoxville (UTK) invites applications for a tenure-track faculty position at the rank of Assistant Professor. The successful candidate will be expected to develop a strong, externally funded research program in the area of advanced functional materials. Examples include, but are not limited to: 2D materials, nanoscale device synthesis and characterization, spintronics, micro/nanomagnetics, and novel scanning probe spectroscopies. Candidates with backgrounds in experimental, theoretical, and/or computational materials research in the areas mentioned above are all encouraged to apply. The successful candidate will be expected to establish sponsored research programs in collaboration with faculty members at the University and is encouraged to develop collaborations with scientists at nearby Oak Ridge National Laboratory (ORNL).

Applicants must hold a doctorate degree in materials science and engineering, physics, or closely related field of study and have an established record of excellence in their area of specialization. The successful candidate must also have a balanced perspective on research and teaching/mentoring of the subjects mentioned above at the undergraduate and graduate levels.

Application package should be submitted as a single (PDF) electronic file to MSESearch2@utk.edu. The required documents are: (1) a cover letter, (2) curriculum vitae including a list of publications, (3) the names and contact information (address, phone number, and email address) of five professional references, (4) a research statement (maximum two pages), (5) a teaching statement (maximum two pages), and (6) copies of three most significant papers. Review of applications will begin on November 1, 2017, and continue until the position is filled. Anticipated start date is on or after August 1, 2018.

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**FACULTY POSITIONS  
MATERIALS SCIENCE AND ENGINEERING,  
UNIVERSITY OF PENNSYLVANIA**

The School of Engineering and Applied Science at the University of Pennsylvania initiated a period of significant growth in 2015 that has resulted in **30 new faculty hires** of which four are in the Department of Materials Science and Engineering. The department is continuing this aggressive, multi-year hiring effort by seeking a tenure-track assistant professor. Exceptional applicants for tenured associate and full professor positions may also be considered.

Applicants from all materials-related research areas are invited to apply, especially those with expertise in (1) materials for health sciences, (2) electronic materials, and (3) structural materials. Additional descriptions of these research areas and the Penn Engineering's strategic plan are available ([www.mse.seas.upenn.edu/faculty-staff/index.php](http://www.mse.seas.upenn.edu/faculty-staff/index.php)).

Applications must be submitted online <http://facultysearches.provost.upenn.edu/postings/1290> and include a cover letter, a complete curriculum vitae, a short (5 page limit) research statement, a teaching statement and the names of three references (with contact information) who could provide letters of recommendation. The cover letter should describe the applicant's most significant scientific accomplishment as a graduate student and as a postdoc, the applicant's overall goals/vision for a research program at Penn, and the experience and qualifications that make the applicant particularly well-suited to achieve those goals.

Review of applications will begin immediately with a deadline of January 2, 2018.

*The University of Pennsylvania is an affirmative action/equal opportunity employer. All qualified applicants will receive consideration for employment and will not be discriminated against on the basis of race, color, religion, sex, sexual orientation, gender identity, creed, national or ethnic origin, citizenship status, age, disability, veteran status, or any other characteristic protected by law.*

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