

VANDERBILT UNIVERSITY

FACULTY POSITION

Experimental Nanoscience and Condensed Matter Physics
Department of Physics and Astronomy and the Vanderbilt Institute of Nanoscale Science and Engineering

The Vanderbilt Institute of Nanoscale Science and Engineering (VINSE) (www.vanderbilt.edu/vinse) in conjunction with the Department of Physics and Astronomy (www.vanderbilt.edu/physics) plans to appoint an exceptional mid-career or senior experimentalist in the Department of Physics and Astronomy. Applicants to be considered should have established a vigorous research program at the intersection of nanoscience and condensed matter physics in areas such as nanophotonics, optoelectronics, exotic materials, applied spectroscopies, and microscopies. Candidates should also have a demonstrated record of success in the classroom and of including both graduate and undergraduate students in laboratory research.

VINSE actively supports interdisciplinary nanoscience activities and recently constructed a new, state-of-the-art cleanroom and high end instrumentation suite. Vanderbilt stands at fifteenth in the *US News* and *World Report* ranking of major national universities. Its park-like campus is situated at the west edge of downtown Nashville, recently named the "It City" by the *New York Times*. The University actively fosters the well-being of students, faculty, and staff and is welcoming to members of underrepresented groups.

Applications, including curriculum vitae, list of research publications, concise statement of current/future research interests, and teaching statement, should be sent electronically to <https://academicjobsonline.org/ajo/jobs/8150>. Review of applications will begin November 1st and continue until the position is filled.

Vanderbilt University is an equal employment opportunity/affirmative action employer. Women and minority candidates are encouraged to apply.



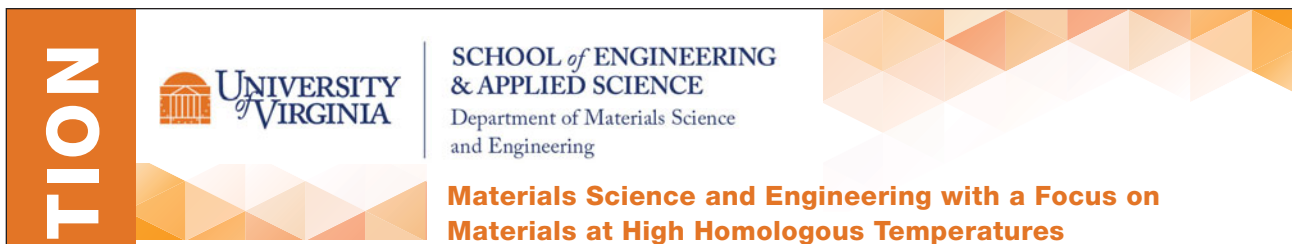
PROGRAM DIRECTOR
 Division of Materials Research
 National Science Foundation

The Division of Materials Research (DMR) announces a nationwide search for a senior-level researcher to serve as **Program Director in the Condensed Matter Physics Program (CMP)**. Formal consideration of interested applications began November 1, 2016 and will continue until a selection is made. This position requires an individual with broad expertise and demonstrated experience in experimental condensed matter physics or materials research. Applicants must be familiar with a broad spectrum of the materials research community, as well as with the issues being addressed in the field. Applicants with accomplishments in the integration of research and education and with multidisciplinary experience and interest are desired.

For additional information and how to apply, please see Employment Opportunities and refer to the Condensed Matter Physics Program (CMP) Dear Colleague Letter at www.nsf.gov/materials. This position will be filled as an IPA-type rotator position.

For additional information on NSF's rotational programs, please visit: http://www.nsf.gov/about/career_opps/rotators/.

NSF is an Equal Opportunity Employer committed to employing a highly qualified staff that reflects the diversity of our Nation.



SCHOOL of ENGINEERING & APPLIED SCIENCE
 Department of Materials Science and Engineering

FACULTY POSITION

Materials Science and Engineering with a Focus on Materials at High Homologous Temperatures

The Department of Materials Science and Engineering at the University of Virginia solicits outstanding applicants for a tenure-track faculty position. The successful applicant will develop an internationally recognized research program, engage enthusiastically in undergraduate and graduate teaching, and perform service in support of outreach and academic self-governance. Opportunities exist to (i) develop independent research, (ii) explore interdisciplinary collaborations with existing faculty, and (iii) initiate new research initiatives focused on a variety of materials classes, functionalities, and energy technology platforms which demand that materials operate at high homologous temperatures. Candidates who specialize in experimental, computational, theoretical, or combinations of approaches are sought. We are especially interested in candidates who seek to address high temperature materials behavior through a materials science approach, applying equilibrium and kinetics processes that govern the nano- micro-structure/processing/property paradigm.

The successful candidate will possess a doctoral degree in either materials science and engineering or a closely related field. They will have a strong commitment to excellence in teaching at the undergraduate and graduate levels in materials science and engineering and will demonstrate the desire to develop a world-class, sponsored-research program centered on development of MS and PhD students. We seek a candidate who will enhance departmental strengths through research collaborations, while also contributing broadly across disciplines in the School of Engineering and Applied Science, and the University at large.

The University of Virginia is annually ranked as one of the premier public institutions in the United States and is located in Charlottesville, a picturesque small but cosmopolitan city perennially ranked as one of the best places to live in the U.S.

To apply, visit <https://jobs.virginia.edu> and search on **Posting Number 0619986**. Complete a Candidate Profile online, and attach a cover letter stating your interest in the position along with research and teaching interests and a CV.

For nominations and additional information about the position, please contact Beth Opila, ej04n@virginia.edu. Please include the nominee's contact information and know the search will be carried out with full confidentiality.

For additional information about the application process, please contact Jeannie Reese, jsv7u@virginia.edu.

The University of Virginia is an affirmative action/equal opportunity employer. Women, minorities, veterans, and persons with disabilities are encouraged to apply.

FACULTY POSITION

Department of Materials Science and Engineering



MATERIALS SCIENCE & ENGINEERING TEXAS A&M UNIVERSITY

The Department of Materials Science & Engineering at Texas A&M University invites applications for a full time, tenured or tenure-track faculty position at the assistant, associate, or full professor level with expertise in **electron microscopy and microanalysis of materials (metals, ceramics, and polymers) with the emphasis on *in-situ* characterization and/or high resolution microscopy**. Although we primarily seek candidates at the associate- and full-professor levels, exceptional candidates at the assistant-professor level will be also considered. Applicants must have an earned doctorate in materials science and engineering or a closely related engineering or science discipline. The successful applicants will be required to teach; advise and mentor graduate students; develop an independent, externally funded research program; participate in all aspects of the department's activities; and serve the profession. Strong written and verbal communication skills are required. Applicants should consult the department's website to review our academic and research programs (<http://engineering.tamu.edu/materials>).

Required Education and Experience:

Applicants must have an earned doctorate in materials science and engineering or a closely related engineering or science discipline.

Applications:

Applicants should submit a cover letter, curriculum vitae, teaching statement, research statement, and a list of 3-5 references by applying for this specific position at www.tamengineeringjobs.com. Full consideration will be given to applications received by **February 1, 2017**. Applications received after that date may be considered until positions are filled. It is anticipated the appointment will begin as early as fall 2017.

EEOC Statement:

The members of Texas A&M Engineering are all Equal Opportunity/Affirmative Action/Veterans/Disability employers committed to diversity. It is the policy of these members to recruit, hire, train, and promote without regard to race, color, sex, religion, national origin, age, disability, genetic information, veteran status, sexual orientation, or gender identity.



TENURE-TRACK STAFF RESEARCHERS

The International Iberian Nanotechnology Laboratory (INL) (<http://www.inl.int>) is an international organization that carries out interdisciplinary research to deploy and articulate nanotechnology for the benefit of society. INL aims to become the worldwide hub for nanotechnology addressing society's grand challenges with specific emphasis on Aging and Wellbeing, Mobility and Urban Living, and a Safe and Secure Society.

INL recruits from all over the world. We find the diversity and multiculturalism of our teams as well as family-friendly working practices and benefits to be a great asset and an essential element in cultivating an attractive and inspiring workplace.

INL encourages researchers with a distinctive profile at the highest international level in their field of competency to participate and apply for these two positions:

- Ref. 11.16.82 Staff Researcher—Hybrid Sensing Devices
- Ref. 11.16.83 Staff Researcher—Energy Harvesting for Sensor Networks

The job description, the Candidates' profile, application procedure, and employment conditions can be found at [http://inl.int/job_offers—Staff Researchers](http://inl.int/job_offers—Staff_Researchers).



香港中文大學 The Chinese University of Hong Kong

Applications are invited for:-

Department of Physics Research Assistant Professor (Ref. 160001PW)

The Department invites applications for a Research Assistant Professorship in experimental quantum physics/materials.

Applicants should have (i) a PhD degree in physics, chemistry or materials science; and (ii) experimental research experience in at least one of the following fields:

- quantum sensing
- microscopy and manipulation of nano-objects
- magnetic resonance spectroscopy
- optical spectroscopy of nanomaterials

The appointee will (a) work closely with faculty members in research on quantum sensing based on diamond and related materials using optically detected magnetic resonance; (b) demonstrate a strong record of research accomplishments, potential for establishing externally funded research programmes; and (c) undertake light teaching duties at undergraduate and postgraduate levels. Information about relevant research in the Department is available at: <http://www.phy.cuhk.edu.hk>.

Appointment will initially be made on contract basis for up to three years commencing as soon as possible, renewable subject to mutual agreement.

Applications will be accepted until the post is filled.

Application Procedure

Applicants should upload a full resume, a brief research statement (not longer than three pages), copies of academic credentials, a publication list and/or abstracts of selected published papers when submitting an application for the post.

The University only accepts and considers applications submitted online for the post above. For more information and to apply online, please visit <http://career.cuhk.edu.hk>.



U.S. NAVAL
RESEARCH
LABORATORY

ACCEPT THE NAVY CHALLENGE

Become a member of an elite research and development community involved in basic and applied scientific research and advanced technological development for tomorrow's Navy.

Senior Scientist for Theoretical Materials Science

ST-1310 or 0806, \$123,175 to 185,100* per annum (2016 salary—subject to change)
*Rate limited to the rate for level III of the Executive Schedule (5U.S.C. 5304[g] [2])

Serves as the technical expert in the field of theoretical material science. Conducts and leads a broad-based, multidisciplinary research program pushing the frontiers of theoretical materials science, with particular emphasis in the areas of optical and magneto-optical behavior of bulk and low dimensional semiconductors, including quantum dots; and determining the effects of confinement, impurities, defects and dopants on these materials. This position is located in the Materials Science and Technology Division and has major implications in the areas of electronics, sensors, power and energy as well as warfighter health and survivability—areas that are of great interest to both the Navy and DoD.

As a distinguished scientist and recognized leader in his/her field, the incumbent will be called upon to brief DoD senior officials regarding Laboratory research efforts in the above areas, to serve as an NRL liaison to the Navy and other national and international organizations, and to consult on important scientific and programmatic issues.

Applicants should be recognized as national/international authorities in the above areas of research, and should have demonstrated the scientific vision and organizational skills necessary to market new research proposals to obtain funding and bring long term, multi-faceted research programs to successful completion. NRL is the Navy's corporate lab and operates under the Navy Working Capital Fund (NWCF).

For information regarding this vacancy and specific instructions on how to apply, go to www.usajobs.gov, log in and enter the following announcement number **NW7XXX-00-1824274K9518101S**.

Please carefully read the announcement and follow instructions when applying. Please contact Lauren Bowie at lauren.bowie@nrl.navy.mil for more information. Vacancy announcement closes on **31 January 2017**.

Navy is an Equal Opportunity Employer

Visit the **CAREERS & ADVANCEMENT** tab on the new **Materials Research Society** website for additional career news and job opportunities, featuring:



- Clean, clear design
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