UNLV

FACULTY POSITION

Materials and Computational Science

The College of Sciences at the University of Nevada, Las Vegas seeks applicants for a tenure-track or tenured faculty position in the broad disciplinary area of **Materials Science or Computational Materials Science**. This faculty position may reside in any of the departments within the College of Sciences as needed. Areas of expertise that are of specific interest include but are not limited to: Biomaterials, Radiochemistry of Actinides and Lanthanides, Radiopharmaceuticals, Energy Storage Materials, Mineralogy and Earth Resources, Environmental Geology, Simulation of Energy Generation and Storage Materials, Novel Industrial Materials, Nanoscience, Superhard Materials, and Applied Analysis.

The successful candidate will hold an earned PhD degree or equivalent in an appropriate discipline. Appointments will be at the Assistant Professor level, however tenured appointments may be made for exceptional candidates with appropriate levels of experience and accomplishment. Appointments will begin in August 2012. Faculty members will be expected to teach at the undergraduate and graduate levels, and maintain a vigorous research program.

Applicants should submit a full curriculum vita, an outline of research interests, and a brief statement of teaching philosophy. Please include the names and contact information for a minimum of three references. Applications will begin to be reviewed in **December 2011**, with reviews continuing until the position is closed. Please send application materials to: **sciences@unlv.edu**.

The University of Nevada, Las Vegas is an equal opportunity employer. Women and minorities are especially encouraged to apply.

FACULTY POSITIONS

School of Materials Science and Engineering

NANJING UNIVERSITY OF SCIENCE & TECHNOLOGY

The School of Materials Science and Engineering (http://clxy.njust.edu.cn/) of the Nanjing University of Science and Technology (http://www.njust.edu.cn/) invites applications for multiple faculty positions at all ranks. Highly qualified candidates are also eligible to apply for various distinguished faculty positions including the Zijin Scholar position from the University, the Distinguished (Te Pin) Professorship, and the Innovation Scholar (Shuang Chuang) Professorship from Jiangsu province, as well as the Qianren Professorship from the central government. Candidates are sought with interests and expertise including, but not limited to:

- Advanced materials characterization (e.g., TEM, APT)
- Computer simulations (e.g., MD, first principle, phase field)
- Nanostructured materials
- Biomaterials (e.g., materials used for biomedical applications, tissue engineering, biomechanics and tribology of biomaterials)
- Functional materials (e.g., electronic, optical, magnetic materials)
- Energy materials (e.g., materials for solar energy, nuclear energy, batteries, etc.)

A doctoral degree in materials science and engineering or a related field is required, and postdoctoral experience is preferred. Candidates for senior positions are required to have a strong track record of innovative research, high-quality publications, a high number of citations, leadership and high standing in the academic community. All candidates should have the capability to teach a graduate or undergraduate course in English.

To apply, send your application package to **chenjiao@mail.njust.edu.cn**. The application package should include: 1) Resume with publication list and the times cited for each paper, 2) research plan, 3) teaching plan, and 4) list of three references.

ASSISTANT PROFESSOR Materials Engineering

Tulane University invites applications for a tenure-track Assistant Professor in materials engineering in the Department of Physics & Engineering Physics. Preference will be given to experimental applicants who have outstanding research records in materials engineering and who fit well into the goals and activities of our department. Our goal is to develop excellence through integrating materials engineering and physics. Our preferred areas of interest include, but are not limited to, devices related to novel materials, polymers, energy materials, and/or biological materials and devices. We are also committed to interdisciplinary research and teaching with other faculty in our School of Science and Engineering as well as the School of Medicine, and the other Schools at Tulane. The new faculty member will have the opportunity to participate in an anticipated expansion of the materials engineering and science effort at Tulane.

Applicants must possess a doctoral degree in engineering and a commitment to teaching. The position will include a competitive salary and startup package. Applicants should submit a cover letter, CV, a research plan, and contact information for three references to: Assistant Professor Search, Department of Physics and Engineering Physics, Tulane University, New Orleans, LA 70118. For full consideration, applications should be submitted on or before **February 29, 2012**. Further information can be found at tulane.edu/sse/pep. Women and underrepresented minorities are strongly encouraged to apply. Tulane is committed to providing a family friendly workplace, including child care and access to good K-12 schools. Tulane has multiple ties to the diverse, culturally rich community of New Orleans. Inquiries can be directed to engineeringphysics@tulane.edu. This search is pending budgetary approval.

Tulane is an Equal Opportunity/Affirmative Action employer.

Tulane University

https://doi.org/10.1557/mrs.2011.352 Published online by Cambridge University Press

UNLV

FACULTY POSITION
Clean Energy Science

The College of Sciences at the University of Nevada, Las Vegas seeks applicants for a tenure-track or tenured faculty position in the broad disciplinary area of **Clean Energy Science**. This faculty position may reside in any of the departments within the College of Sciences as needed. Areas of expertise that are of specific interest include but are not limited to: Energy Storage Materials, Thin Film Photovoltaic Materials, Characterization and Testing, Nuclear Science and Radiochemistry, Rare-Earth Elements, Carbon Sequestration and Removal from Atmosphere, Geothermal Energy, Biofuels, Geoengineering and Nuclear Waste Issues, Computational Simulation for Storage and Utilization, Quantum Control, Dynamic Systems, Waste Conversion, or Modeling and Numerical Methods for Clean and Renewable Energy.

The successful candidate will hold an earned PhD degree or equivalent in an appropriate discipline. Appointments will be at the Assistant Professor level, however tenured appointments may be made for exceptional candidates with appropriate levels of experience and accomplishment. Appointments will begin in August 2012. Faculty members will be expected to teach at the undergraduate and graduate levels, and maintain a vigorous research program.

Applicants should submit a full curriculum vita, an outline of research interests, and a brief statement of teaching philosophy. Please include the names and contact information for a minimum of three references. Applications will begin to be reviewed in **December 2011**, with reviews continuing until the position is closed. Please send application materials to: **sciences@unlv.edu**.

The University of Nevada, Las Vegas is an equal opportunity employer. Women and minorities are especially encouraged to apply.

CLEMSON UNIVERSITY

DIRECTOR
School of Materials Science and Engineering

Clemson University invites applications and nominations for the position of Director of the School of Materials Science and Engineering. Clemson University is the land grant institution of South Carolina and is located on Lake Hartwell halfway between Atlanta, GA and Charlotte, NC. The School has an enrollment of over 200 total students, sponsored research programs in excess of $5.8M per year, and active industrial service and continuing education programs.

The Director will be a dynamic, innovative leader and a distinguished scholar who will draw attention to the School's commitment to excellence in teaching, research, and service. He or she will be a proactive partner with materials industry leaders as the School vigorously pursues its service mission, and in the continued pursuit of government and industry funding for research and education. More specifically, the successful candidate will a) have demonstrated leadership ability, b) be internationally recognized for funded research in his/her field, c) have an earned doctorate in a materials related field, and d) qualifications for appointment as a full professor with tenure.

Although it is expected that the position will be filled for the start of the 2012-2013 academic year, the search will continue until a suitable candidate is found. Further details about the School are available at http://mse.clemson.edu.

Qualified women and minorities are encouraged to apply. Submission materials should include a letter of application briefly highlighting how the above characteristics are met, and a complete CV including list of publications and the names of three references. Send applications to Dr. Stephen Foulger, Search and Screen Committee Chair, Clemson University, 161 Sirrine Hall Clemson, SC 29670. **Electronic submissions required at mse_search@clemson.edu**.

Clemson University is an Affirmative Action/Equal Opportunity employer and does not discriminate against any individual or group of individuals on the basis of age, color, disability, gender, national origin, race, religion, sexual orientation, veteran status, or genetic information.

FACULTY POSITION
Experimental Condensed Matter Physics

Search Code: SCI110811PYCS

The Department of Physics at the University of Texas at Arlington is seeking qualified candidates for a tenure-track faculty position in experimental condensed matter physics. The position is primarily intended to be at the level of Assistant Professor, but exceptional applicants at a higher rank may be considered. Preference will be given to candidates who are at the forefront of experimental condensed matter physics and who will enhance the existing experimental condensed matter physics research in the department. See http://www.uta.edu/physics/ for additional information.

The successful candidate is expected to establish externally funded research, and have commitment to undergraduate, as well as graduate education. A PhD degree in physics with a minimum of two years of postdoctoral experience is required. The University of Texas at Arlington is a Carnegie-I university with more than 33,000 students. Its location in the heart of the Dallas Fort Worth (DFW) area provides excellent opportunities for collaborations with high-tech industries and several neighboring universities, and offers the cultural benefits of a vibrant metropolitan area. The Department of Physics has 21 tenured and tenure-track faculty members actively engaged in research in experimental and theoretical condensed matter physics, biophysics, high-energy physics, astrophysics, and space physics.

Each candidate should forward an application, curriculum vita, bibliography, and statement of research and teaching plans, as well as contact information for at least five references to: Professor Suresh Sharma, Chair of the ECMP Search Committee, Department of Physics, The University of Texas at Arlington, Box 19059, Arlington, Texas 76019, **ecmpfacultysearch@uta.edu**. A criminal background check will be conducted on the finalists. Review of applications will begin **January 17, 2012** and will continue until the position is filled with a starting date at the beginning of the Fall, 2012 semester.

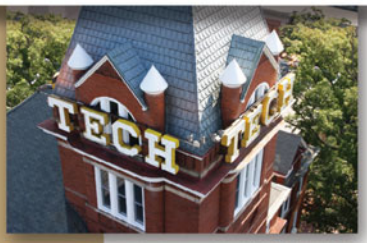
The University of Texas at Arlington is an Equal Employment Opportunity and Affirmative Action Employer. Women and minority candidates are encouraged to apply.

The University of Texas ARLINGTON

https://doi.org/10.1557/mrs.2011.352 Published online by Cambridge University Press

Georgia Institute of Technology

Chair of the School of Materials Science and Engineering



The College of Engineering at the Georgia Institute of Technology is seeking nominations of, and applications from, qualified individuals for the position of Chair of the School of Materials Science and Engineering (MSE) with an anticipated start date of Aug. 1, 2012. Candidates must have an earned doctorate in a materials-related discipline, have demonstrated outstanding scholarship in their specific discipline(s) with a high degree of national/international recognition, and have an exemplary record of consensus-based academic leadership. The successful candidate should also possess: effective strategic and communication skills with a clear vision for leading the School toward higher levels of excellence within a multidisciplinary environment; an ability to lead by example via an active program of engaged teaching and individual research; the ability to be an effective champion for the School while maintaining and fostering good relations with other Schools and Colleges; capabilities to establish and continue successful relationships with federal and state agencies, and private foundations, as well as alumni, industry, and prospective donors. The candidate should have a strong track record of research funding, and be willing to work closely with the Development Director(s), faculty, and Georgia Tech administration to raise funds from private and public sources for the current and future capital campaigns. The Chair will report to the Dean of the College of Engineering and is responsible for all administrative, budgetary, and personnel decisions within the School.

The School of MSE has an ***outstanding faculty of 38 primary, tenure-track members*** that include 18 Fellows of one or more professional societies, 5 Regents Professors, 3 Endowed Chairs, and 2 members of the National Academy of Engineering. The School has an enrollment of 295 undergraduate students, and 14 M.S. and 148 Ph.D. graduate students. The Undergraduate program is ranked 6th, and the Graduate program is ranked 8th, by the 2011 survey in *U.S. News & World Report*. The annual externally-funded research budget of the School exceeds $16M. Focal areas of research (alphabetical order) include: Advanced Structural Materials; Biologically Enabled and Bio-inspired Materials; Computational Design, Modeling, and Simulations; Electronic and Optical Materials; Energy Storage and Harvesting; Fibers and Composites; Multiscale Structural and Chemical Characterization; Nanomaterials and Nano-engineered Devices; and Polymers and Macromolecules. The multidisciplinary research of the School involves strong interactions with other Schools and Colleges across campus (e.g., ***13 faculty from other Schools hold secondary appointments in MSE***). More information about the School can be found at **www.mse.gatech.edu.**

Applicants should apply online **(http://applymsechair.gatech.edu)** with the following: a cover letter; a vision statement for the School; a current CV describing research, teaching, and academic leadership; statements of research interest and teaching philosophy; 3 representative publications; and contact information for at least 5 references. Questions and nominations should be addressed to **Prof. Larry McIntire, Chair of the MSE Search Committee (larry.mcintire@bme.gatech.edu).**

The Georgia Institute of Technology, a unit of the University System of Georgia, is an equal education and employment opportunity institution.

ÉTS

Le génie pour l'industrie

TENURE-TRACK PROFESSOR POSITIONS

École de technologie supérieure (ÉTS)

With over 6000 students, including close to 1500 at the graduate and postgraduate levels and 350 in PhD programs, the École de technologie supérieure (ÉTS) is one of the largest engineering schools in Canada. It offers Bachelor's, Master's, and Doctorate programs designed with an applied engineering focus. It cultivates close ties with industry through a dynamic co-operative education program, and boasts an outstanding degree of partnership-based research and innovation. It also includes a host of industry representatives in its decision-making bodies.

ÉTS has undergone spectacular growth in its educational programs and in its research and innovation activities over the last few years, allowing it to acquire world-class infrastructure. The high level of research conducted at the institution brings it to the top ranks of engineering educational institutions in Canada.

ÉTS is inviting applications for a total of 23 regular, full-time professorships, including:

1. Two (2) Canada Research Chair positions

2. Six (6) openings for Professors of microtechnologies/micro-electromechanical systems (MEMS) for human health and welfare. Strategic hiring competition open until March 31, 2012.

3. Thirteen (13) Associate Professor positions for the following five departments:
   - Construction Engineering
   - Automated Manufacturing Engineering
   - Software and Information Technologies Engineering
   - Electrical Engineering
   - Mechanical Engineering

4. Two (2) openings for Professors with an Engineering-Management profile

For more details on the disciplines, functions, qualifications, and recruitment conditions, please visit **http://offredemploi.etsmtl.ca**.

In compliance with Canadian immigration requirements, priority shall be given to Canadian citizens and landed immigrants. Please note that only those selected for an interview will be contacted.

https://doi.org/10.1557/mrs.2011.352 Published online by Cambridge University Press

https://doi.org/10.1557/mrs.2011.352 Published online by Cambridge University Press

UNIVERSITY OF MICHIGAN

EHRD Coordinator for C-PHOM

University of Michigan, Ann Arbor

The University of Michigan, Ann Arbor invites applications for the Education and Human Resources Development (EHRD) Coordinator for C-PHOM, a 6-year NSF-funded Materials Research Science and Engineering Center. The EHRD Coordinator will be responsible for all aspects of education, outreach, and assessment, including the recruitment and placement of students, processing of applications, design and implementation of a research training program for high school students, future education and career tracking of the students, educational assessment and evaluation, and education-based grant and report writing.

The EHRD Coordinator candidate is expected to be highly organized, have excellent oral and written communication skills, and be able to work with a diverse group of students, teachers, and faculty. This is a half-time position which may expand to full-time if the program budget allows. A master's degree or higher in a STEM field is required. Applications should include a cover letter and resume and be submitted as one pdf file at the following link: **http://umjobs.org/job_detail/63746/education_and_human_resource_development_coordinator**. For job content related questions, please contact Professor Rachel S. Goldman at rsgold@umich.edu.

UM is a non-discriminatory, affirmative action employer.

FACULTY POSITION

Department of Materials Science and Engineering

The Department of Materials Science and Engineering (www.mse.iastate.edu) at Iowa State University (ISU) has an immediate opening for a tenure or tenure-track faculty position at the Full Professor level with demonstrated leadership experience and expertise in the Physical and Chemical Metallurgy of Rare Earths. This position will be a joint appointment as a faculty member with the Department of Materials Science and Engineering and as a senior investigator at the appropriate level with the Ames Laboratory (www.ameslab.gov), a U.S. DOE National Laboratory. Exceptional candidates with demonstrated expertise but insufficient experience to qualify for the appointment at the Full Professor level may be considered for tenure-track Associate or Assistant Professor level appointments.

All applications must be submitted electronically for **vacancy # 110962** through the **www.iastate-jobs.com** website. To ensure consideration, please apply by **January 31, 2012**. We expect the successful candidate to be in place by August 16, 2012. If you have questions regarding this position, please contact Dr. Vitalij K. Pecharsky at vitkp@iastate.edu or vitkp@ameslab.gov. Please direct questions regarding the application process to employment@iastate.edu or to 1-877-477-7485 (toll-free).

Iowa State University is an Equal Opportunity/Affirmative Action Employer with NSF ADVANCE funding to broaden the participation of women and underrepresented minorities and enhance the success of all faculty in STEM fields.

IOWA STATE UNIVERSITY

FACULTY POSITION

Chemical Engineering and Materials Science

University of Minnesota

The Department of Chemical Engineering and Materials Science at the University of Minnesota seeks to fill a faculty position in Chemical Engineering and Materials Science. The position is open at the Assistant (tenure-track), Associate, or Full Professor levels. The Department will consider outstanding candidates in any area. Assistant Professor candidates should have a distinguished academic record (including a PhD degree), outstanding potential to establish an independent research program, and a commitment to teaching in a highly interdisciplinary department. Associate and Full Professor candidates should have several years of teaching and/or research experience.

Applications should be submitted on-line, and consist of a resume (including a list of publications), a research plan, a teaching plan, and a list of three references with contact information (including email addresses). Submit applications at **https://employment.umn.edu**. Search for **requisition number 174433**. Information on the department is available at www.cems.umn.edu. Review of the applications will begin immediately and continue until the position is filled. It is hoped that the successful candidate will be in place by Fall 2012.

The University of Minnesota is an equal opportunity educator and employer

ENDOWED CHAIR Materials Engineering

Tulane University invites applications for the Jung Chair in Materials Engineering, a chaired faculty position in the Department of Physics and Engineering Physics. The successful candidate will lead and expand the department's research efforts in new materials and related devices, which may include novel electronic, magnetic, polymer, oxide-based, and/or biological materials; develop an internationally recognized, externally funded research program; and collaborate with current research groups and other departments in the School of Science and Engineering, the School of Medicine, and the School of Public Health and Tropical Medicine. Current programs in condensed matter physics at Tulane include surface science, optical and terahertz spectroscopy, low temperature superconductivity, complex oxide-thin-films, polymers, density functional theory, and quantum information theory.

Applicants must possess a doctorate in engineering, demonstrated excellence in research and teaching at the senior faculty level, and an outstanding record of research funding and scholarly publications. The position will include a competitive salary and startup package, and an attractive discretionary research fund.

Application review will begin on November 1, 2011 and continue until the position is filled. Applicants should submit a cover letter, CV, research plan, and contact information for five references to: Jung Chair Search, Dept. of Physics, Tulane University, New Orleans, LA 70118. Further information can be found at http://tulane.edu/sse/pep/. Women and underrepresented minorities are strongly encouraged to apply. Tulane is committed to providing a family friendly workplace. Inquiries can be directed to Prof. Fred Wietfeldt at few@tulane.edu.

Tulane is an Equal Opportunity/Affirmative Action employer.

Tulane University

https://doi.org/10.1557/mrs.2011.352 Published online by Cambridge University Press

Through Inspiration, Discovery
King Abdullah University of Science and Technology

Faculty Search: Materials Science and Engineering

The Materials Science and Engineering (MSE) Program at King Abdullah University of Science and Technology (KAUST) invites applications for faculty positions at all ranks (Assistant, Associate, and Full Professors) beginning in the Fall of 2012.

KAUST is an international graduate-level, merit-based research university dedicated to advancing science and technology through bold and collaborative research and to addressing challenges of regional and global significance. Located on the Red Sea coast of Saudi Arabia, KAUST offers superb research facilities, generous research funding, and internationally competitive salaries. Further information can be obtained by clicking on the following link **http://www.kaust.edu.sa.**

The MSE Program at KAUST currently has eight full-time faculty members researching in the areas of: materials for nanotechnology, inorganic/organic electronics, and alternative energy, materials synthesis, advanced characterization and computational methods, device fabrication and characterization and related areas. These areas are enhanced by strong support from KAUST's international research collaboration networks, and advanced central research facilities including Nanofabrication, Imaging and Characterization, Analytical Chemistry, Supercomputing and Scientific Visualization. More information about the MSE program and research activities is available at: **http://mse.kaust.edu.sa.**

As part of the expansion of the MSE Program, we invite applications from exceptional candidates for faculty positions at all ranks and in all areas of Materials Science. Priority will be given to candidates with research interests in the following research areas:

- **Biomaterials**
- **Carbon-based materials**
- **Electrochemistry**
- **Materials for spintronics**

Candidates should have the ability to pursue a high impact research program and demonstrate commitment to teaching at the graduate level. Applications must include a complete curriculum vitae/ publication list, a research plan, a statement of teaching interests, and the names and contact information of at least 3 references for an Assistant Professor position or a list with the names and affiliation of potential referees for Associate Professor and Full Professor positions. Please submit applications electronically as a **single PDF** file to the MSE Search Committee (MSE_Search@kaust.edu.sa). Priority will be given to applications received before Jan 30, 2012 and positions will remain open until filled. **Please identify the research area to which you are applying in the subject heading of the email.**

https://doi.org/10.1557/mrs.2011.352 Published online by Cambridge University Press