



One of the oldest institutions of higher education in this country, the University of Delaware today combines tradition and innovation, offering students a rich heritage along with the latest in instructional and research technology. The University of Delaware is a Land-Grant, Sea-Grant and Space-Grant institution with its main campus in Newark, DE, located halfway between Washington, DC and New York City. Please visit our website at www.udel.edu.



Faculty Positions in College of Engineering for Cluster Hire in Composite Materials (all ranks)

The College of Engineering at the University of Delaware invites nominations and applications for tenure-track faculty positions. Highly qualified candidates will be considered at the level of assistant, associate professor and full professor (tenure or tenure-track). The Cluster Hiring will span multiple years until all positions are filled.

We are interested in candidates in any general areas of composites, but are looking to significantly expand in the areas of design, multi-scale structural analysis, processing and manufacturing, automation and health monitoring of novel composites with emphasis on multi-functional, adaptive and functionally graded materials and structures.

The appointment of the selected candidate will be in one or more of the following departments, Mechanical Engineering, Chemical Engineering, Material Science and Engineering, Civil and Environmental Engineering and Electrical and Computer Engineering. Joint appointments across departments will be considered. The selected candidates will enjoy the full benefits of being designated an affiliated faculty of the Center for Composite Materials (CCM).

CCM, founded in 1974, has been designated a Center of Excellence in Composites continuously since 1985 by NSF, ARO, ARL and ONR. CCM has state of the art facilities for synthesis, thermal, chemical and mechanical characterization, processing, inspection, manufacturing science and modeling and simulation that are housed in two buildings providing more than 50,000 sq ft of laboratories and office space available for affiliated faculty and students. CCM currently involves more than 240 affiliated faculty, professional staff, post-docs, graduate and undergraduate students and interns from three colleges and seven departments. CCM also enjoys strong industrial support with more than 60 companies participating in our industrial consortium. Annual research expenditures are in the \$10-12M range with more than \$100M in funding currently awarded.

Applicants should hold a Ph.D. in engineering, or closely related field. Successful candidates at the Assistant Professor level are expected to have demonstrated excellence in innovative research and show the potential for high quality teaching and mentoring. For positions at higher ranks, an outstanding and internationally recognized research program, along with proven high-quality teaching and mentoring, is required. Candidates with proven leadership experiences in major research and education initiatives are of great interest.

Applicants should send a curriculum vitae, a statement of research and teaching interests and achievements, and a list of at least four references to <http://www.engr.udel.edu/facultysearch> (preferred); or by mail to Composite Cluster Faculty Search Committee, 120-122 E. Delaware Avenue, University of Delaware, Newark, DE 19711. Full consideration is guaranteed for applications received before December 1, 2010 (postmarked before 12/1 for applications sent by regular mail) but the search will continue until the positions are filled. The University of Delaware is an equal opportunity employer. Women and minorities are encouraged to apply.

The UNIVERSITY OF DELAWARE is an Equal Opportunity Employer which encourages applications from Minority Group Members and Women.



Department of Energy
National Nuclear Security Administration

Stewardship Science Graduate Fellowship

The DOE NNSA SSGF program includes academic areas of interest to stewardship science – such as **properties of materials under extreme conditions and hydrodynamics, nuclear science and high energy density physics.**

BENEFITS

- \$36,000 yearly stipend
- Payment of all tuition and fees
- \$1,000 yearly academic allowance
- Yearly conferences
- 12-week research practicum
- Renewable up to four years

APPLICATIONS DUE JANUARY 12, 2011

www.krellinst.org/ssgf



This program is open to U.S. citizens and permanent resident aliens studying at a U.S. university who are senior undergraduates or are in their first or second year of graduate study. This is an equal opportunity program and is open to all qualified persons without regard to race, sex, creed, age, physical disability or national origin.



The Krell Institute
1609 Golden Aspen Drive,
Suite 101, Ames, IA 50010
515.956.3696
www.krellinst.org/ssgf

FACULTY POSITION Electrochemical Energy Arizona State University



The Ira A. Fulton Schools of Engineering at Arizona State University invites applications for a tenure-track or tenured faculty position in the arena of electrochemical energy. The successful candidate may be an experimentalist or theoretician/computational scientist and will hold an earned PhD degree (or equivalent) in Materials Science and Engineering, Chemical Engineering, Mechanical Engineering, Chemistry, or Physics. Areas of expertise that are of specific interest include but are not limited to, high-power density electro-chemical energy storage, advanced electrode engineering, theory/computation relevant to electro-chemical energy storage and conversion, and materials science that intrinsically enhances the sustainability of electrochemical energy conversion or storage.

Faculty members are expected to teach undergraduate and graduate courses, and initiate and sustain a vigorous graduate research program. To apply, applicants must provide a curriculum vita that includes their teaching experience and interests, a list of publications, and a synopsis of a proposed program of research. Candidates for tenure-track positions must include the names and contact information of three references. Candidates for tenured positions must have achieved national and international recognition for their scholarship and must include the names and contact information of five references.

Review of applications will begin **November 1, 2010** and will continue until the position is filled. Please send application materials to electrochemical.energy.faculty@asu.edu.

Arizona State University is an equal opportunity/affirmative action employer. Women and minorities are encouraged to apply.

Survey:

ASU offers applicants an opportunity to voluntarily self-disclose information for the University's affirmative action plan; applicants may complete an EEO survey for the position they are applying for online. Information you'll need to complete the survey:

Job order number: 9599
Job Title: Electrochemical Energy Storage
Department Name: Engineering



One of the oldest institutions of higher education in this country, the University of Delaware today combines tradition and innovation, offering students a rich heritage along with the latest in instructional and research technology. The University of Delaware is a Land-Grant, Sea-Grant and Space-Grant institution with its main campus in Newark, DE, located halfway between Washington, DC and New York City. Please visit our website at www.udel.edu.

Faculty Positions at the University of Delaware for Cluster Hire in Soft Materials (Organic Molecular or Polymer) Chemistry

(Department of Chemistry and Biochemistry/Department of Materials Science and Engineering/Department of Chemical Engineering)

The University's College of Arts and Sciences and College of Engineering invite applications for a tenured faculty position at the mid to senior-level in organic molecular or polymer chemistry; exceptional junior-level applications will also be considered. The University has a growing nucleus of researchers engaged in soft materials research, and the ideal applicant will establish a research program primarily focused on soft materials synthesis with the ability to engage in sustained interactions across the University. Candidates seeking an interdisciplinary appointment between the Colleges of Engineering and Arts and Sciences are especially encouraged to apply. It is expected that the successful candidate will demonstrate a strong commitment to excellence in research and teaching, be qualified to teach core courses at all levels within the respective curriculum, and establish an externally funded and highly visible research program that complements current soft materials research activities at the University.

Applicants should submit a curriculum vitae, a statement of research and teaching interests and achievements, and the names, addresses, phone numbers, and e-mail addresses of three references in PDF format to Professor David Martin, Search Committee Chairperson at <http://www.engr.udel.edu/facultysearch>. Review of applications will begin on November 15, 2010, although nominations and applications will be accepted until the position is filled. All application materials will be shared with department faculty.

The UNIVERSITY OF DELAWARE is an Equal Opportunity Employer which encourages applications from Minority Group Members and Women.

UNIVERSITY OF WISCONSIN OSHKOSH

POSTDOCTORAL POSITION Ceramic Ultracapacitor Research

Postdoctoral position at the University of Wisconsin Oshkosh to support R&D efforts aimed at developing high-performance ceramic ultracapacitors. Responsibilities include fabrication of electrodes, functional evaluation, optimization, and device engineering. Requirements: 1) PhD degree in Materials Science, Chemistry, Applied Physics, or related areas; and 2) Experience in electrochemical materials and methods related to development of batteries or ultracapacitors or solid oxide fuel cells or other electrical energy storage device. Experience in tape casting or a related processing method is desired. Initial appointment for one year and continuation is contingent upon funding.

Submit application letter, CV, statement of research experience, and list of a few current references to Dr. Annamalai Karthikeyan at chemistrypostdoc@uwosh.edu. Evaluation of applications begins October 15, 2010 and continues until position is filled. Employment requires criminal background check.

UW Oshkosh values diversity and is an AA/EOE institution.



FACULTY POSITIONS IN COMPLEX MATERIALS Materials Chemistry and Materials Theory

Michigan State University is continuing an aggressive, broad-based effort to expand its research and educational expertise in complex materials. As a cornerstone of this effort, we are seeking outstanding candidates to fill 2-4 tenure-stream faculty positions. Appointments can be made at any level within the Departments of Chemistry or Physics and Astronomy. Joint positions with one or more of the Departments within the College of Engineering are also possible. Research in all areas of experimental or theoretical materials research will be considered, with preference for candidates whose research agenda contributes to building cross-disciplinary and cross-college collaborations. Michigan State has in place an extensive infrastructure for the fabrication and characterization of materials and an established faculty base in materials chemistry and materials physics. Institutional support for this initiative is strong with ongoing university support for a center of research excellence in complex materials, and further investments in faculty positions, facilities, and space are possible upon successful completion of the search.

Inquires regarding **Materials Chemistry** positions should be addressed to Professor James McCusker in the Chemistry Department at jkm@chemistry.msu.edu. Inquiries concerning **Materials Theory** positions should be directed to Professor Phillip Duxbury in the Physics and Astronomy Department at duxbury@pa.msu.edu. Applications, including a resume, publication list, a summary of research interests and description of research plans, along with three or more reference letters should be sent to:

Complex Materials Search Committee
Department of Chemistry
Michigan State University
East Lansing, MI 48824-2320

Consideration of applications will commence October 1, 2010 and will continue until the positions are filled.

MSU is an affirmative action, equal opportunity employer. MSU is committed to achieving excellence through cultural diversity. The university actively encourages applications and/or nominations of women, persons of color, veterans, and persons with disabilities.



SENIOR FACULTY POSITION

Ion Beam Accelerator Laboratory • Department of Physics

The Department of Physics at the University of North Texas (UNT) seeks to fill a tenured position at the full professor level. The areas of expertise sought are in the development and application of keV to MeV ion beam techniques for the characterization and modification of materials and/or the study of fundamental physical processes. For complete qualifications and application information visit <http://facultyjobs.unt.edu/applicants/Central?quickFind=51025> until the search is closed.

UNT is an AA/ADA/EOE.

Associate Scientist, Materials Science

Ames Laboratory • Iowa State University

The Ames Laboratory is seeking an Associate Scientist for the development of techniques for the growth of single crystals of novel materials including those with reactive and volatile elements, the development of understanding of the growth mechanisms and pathways, and the growth of single crystals for collaborative research. Experience must include high-temperature synthetic methods of both single crystals and polycrystalline materials which include reactive, volatile, or toxic components. For requirements and application instructions, go to www.iastatejobs.com, **Vacancy #100742**. Application deadline is **December 31, 2010**.

An EEO/AA Employer.

FACULTY POSITION**Department of Chemical and Biological Engineering and the Department of Materials Science****IOWA STATE UNIVERSITY**

The Department of Chemical and Biological Engineering and the Department of Materials Science and Engineering at Iowa State University (<http://www.cbe.iastate.edu/> and <http://www.mse.iastate.edu/>) are soliciting applications and nominations for a tenure-track or tenured faculty position at the assistant, associate, or full professor level. Applicants with training and interests in the areas of biomaterials, bioinspired materials, or biosensors are preferred.

The candidate will have opportunities to engage in significant interdisciplinary collaborations, including those offered by the Ames Laboratory (<http://www.external.ameslab.gov/>), a DOE Laboratory on the Iowa State University campus, the National Science Foundation Engineering Research Center for Biorenewable Chemicals (www.cbirc.iastate.edu), the Bioeconomy Institute (www.biorenew.iastate.edu) and the College of Veterinary Medicine (www.vetmed.iastate.edu). Responsibilities will include graduate student training as well as undergraduate and graduate teaching and service activities. All applicants must have a PhD degree in chemical engineering, materials science and engineering, or a related field, with research in a biological area. Applicants will have demonstrated research accomplishments and the potential for continuing excellence in both research and teaching commensurate with the level of the position.

The Department of Materials Science and Engineering has 22 tenured and tenure-track faculty members, of whom three are National Academy of Engineering members, 175 undergraduate students, and 85 graduate students. Sponsored research expenditures of the department are over \$12M per year. The department enjoys a close relationship and joint research activities with the Ames Laboratory (US DOE), the Center for Nondestructive Evaluation, and the Microelectronics Research Center.

The Department of Chemical and Biological Engineering has 18 tenured and tenure-track faculty, with one National Academy of Engineering member, 475 undergraduate students, and 55 graduate students. Sponsored research expenditures of the department are over \$7M per year. The department is closely associated with the Ames Laboratory, the National Science Foundation Engineering Research Center for Biorenewable Chemicals, and the Bioeconomy Institute.

All applications must be submitted electronically for **Vacancy #100633**. Qualified applicants should consult www.iastatejobs.com, complete the employment application, and attach:



1. a cover letter
2. a curriculum vitae
3. a statement of research and teaching interests of not more than three pages, and
4. contact information for at least three references.

To ensure consideration, please apply by **February 1, 2011**, although applications will be accepted until the position is filled. We expect the successful candidate to be in place by August 15, 2011. If you have questions regarding this vacancy, please contact Professor Peter J. Reilly at reilly@iastate.edu or 515-294-5968. Please direct questions regarding this 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 support its integrative approach to enhance the participation and success of women faculty in STEM fields.

Faculty Position**Materials Science and Engineering**

The Department of Materials Science and Engineering at Boise State University seeks to fill a tenure-track position in electron microscopy at the Associate Professor level. The successful candidate will contribute to our growing program through both teaching and research, and will develop and sustain funded research programs in the area of materials characterization. The new Boise State Center for Materials Characterization and the Center for Advanced Energy Studies offer significant opportunities for collaboration. A doctoral degree in Materials Science and Engineering (or related field) is required.

With approximately 20,000 students, Boise State is the largest university in Idaho and is home to a thriving and energetic new MSE program. The College of Engineering is experiencing tremendous growth and enjoys support from the intermountain west's high-tech industry. Boise offers convenient access to outdoor recreation, including world-class white-water, skiing, biking, fishing, and camping.

Review of applications will begin **November 15, 2010** and will continue until the position is filled. Interested applicants should submit cover letter, CV, statements of teaching and research interests, and a list of three references to mse@boisestate.edu. Additional details are available at <http://coen.boisestate.edu/mse/Opportunities.html>.

EEO/AA Institution; Veterans preference may be applicable.

DEPARTMENT OF ENERGY

Computational Science Graduate Fellowship**PROGRAM HIGHLIGHTS**

- \$36,000 yearly stipend
- Payment of all tuition and fees
- \$5,000 academic allowance in first year
- \$1,000 academic allowance each renewed year
- 12-week research practicum at a DOE Laboratory
- Yearly conferences
- Career, professional and leadership development
- Renewable up to four years

**APPLICATIONS DUE JANUARY 11, 2011**For more information, visit: www.krellinst.org/csgf

Sponsored by the U.S. Department of Energy Office of Science and NNSA Programs. Administered for USDOE by the Krell Institute under contract DE-FG02-97ER25308. This is an equal opportunity program that is open to all qualified persons without regard to race, sex, creed, age, physical disability or national origin.

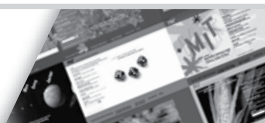


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Massachusetts
Institute of
Technology



Come work with us!

Faculty Position

Department of Materials Science and Engineering

The Department of Materials Science and Engineering seeks a candidate for a tenure-track faculty position to begin July 2011 or thereafter. Appointment would be at the assistant or untenured associate professor level. In special cases, a senior faculty appointment may be possible. Faculty duties include teaching at the graduate and undergraduate levels, research, and supervision of student research. Candidates with a demonstrated excellence in original research in structural materials, materials engineering, or materials processing are especially encouraged to apply. Candidates should hold a Ph.D. by the beginning of the appointment period; graduate education in materials science and engineering or a closely related field is preferred.

Interested candidates should submit application materials electronically at <http://dmsefacsrch.mit.edu>. Each application should include a curriculum vitae, the names and addresses of three or more references, a statement of research interests, and a statement of teaching interests. We request that each candidate arrange for three letters of references to be uploaded at <http://dmsefacsrch.mit.edu/letters/>. Questions should be addressed to DMSE-Search-Master@dmsefacsrch.mit.edu. Responses received by November 30, 2010, will be given priority.

We especially encourage minorities and women to apply because of MIT's strong commitment to diversity in engineering education, research and practice. MIT is an Equal Opportunity/Affirmative Action employer.

<http://web.mit.edu>

FACULTY POSITIONS
Chemistry and Biochemistry
Arizona State University



The Department of Chemistry & Biochemistry at Arizona State University invites applications for two tenure-track positions at the rank of assistant/associate professor in any energy-related area. At least one position will have an emphasis in inorganic chemistry. Topics of interest include, but are not limited to, bioenergy, catalysis, energy storage and conversion, nanochemistry, organic materials, and polymer chemistry.

Duties include: establishing an externally funded research program of national/international recognition, teaching chemistry or biochemistry courses at the graduate and undergraduate levels, and participating on assigned governance and service committees in the Department of Chemistry and Biochemistry. Applicants must have a doctoral degree in chemistry, biochemistry, or related field. Postdoctoral experience is desired.

Applicants must submit a cover letter, a curriculum vitae with a list of publications, a succinct outline of future research plans and a statement of teaching philosophy and interests. These application materials must be submitted electronically in a single PDF document to ChemSearch@asu.edu. Applicants must also arrange for three letters of recommendation to be submitted to ChemSearch@asu.edu.

Review of applications will begin **November 22, 2010**, and will continue thereafter until the positions are filled. A background check is required for employment.

ASU is an EO/AA employer and is committed to excellence through diversity. Women and minorities are encouraged to apply.



TEXAS TECH UNIVERSITY

Edward E. Whitacre Jr.
College of Engineering

The Maddox Chairs in Energy at Texas Tech University

The Edward E. Whitacre Jr. College of Engineering at Texas Tech University is committed to leveraging these **two exceptionally large endowed chairs** at over **\$7 million each**, to become one of the nation's leaders in finding solutions to the world's energy challenges. The college is seeking world-class researchers in solar and sustainable energy as candidates for the Maddox Chairs.

Donovan Maddox Distinguished Engineering Chair in Solar Energy Jack Maddox Distinguished Engineering Chair in Sustainable Energy

Candidates are expected to have an international reputation in the fields of solar energy or energy sciences and engineering as evidenced by publications, citations, and peer recognition. In addition, a record of acquiring external resources to support research, team building, and mentoring of associates and graduate and undergraduate students is necessary.

The successful candidates will set the tone, vision, and path in order to build an internationally recognized program at Texas Tech University in solar and sustainable energy research. The appointments will be as a full professor in the Whitacre College of Engineering.

The holders of each of the Maddox Chairs will be expected to not only bring his or her own research activities to the Whitacre College of Engineering, but also to build a collaborative community of scholars at Texas Tech to build a world-class research program.

Screening will begin upon the receipt of applications and will continue until the position is filled. Candidate names will not be made public until the final stages of the search.

Curriculum vitae and the names and contact information of at least four references should be submitted at www.coe.ttu.edu/maddox. To nominate a colleague for these chairs, visit www.coe.ttu.edu/maddox. Nominations can be made anonymously.

Questions about the Jack Maddox or Donovan Maddox Chairs should be directed to:

Jack Maddox and Donovan Maddox Search Committees
Texas Tech University | Whitacre College of Engineering
Box 43103 | Lubbock, Texas 79409-3013 | engineeringdean.coe@ttu.edu | 1.800.528.5583

Texas Tech University | Whitacre College of Engineering
1.800.528.5583 | www.coe.ttu.edu/maddox

An Affirmative Action/Equal Opportunity
Institution with Disabled Employees

SOUTH DAKOTA



Assistant, Associate or Professor
Nanoscience and Nanoengineering

SCHOOL OF MINES
& TECHNOLOGY

The South Dakota School of Mines and Technology invites applications for a tenure-track position in Nanoscience and Nanoengineering at the Assistant, Associate, or Full Professor level, under a new faculty model emphasizing research with

minimal teaching load. It is expected that this faculty member will teach one graduate course per year in an area of his/her expertise, with the remaining effort focused on research. This will be a 9-month faculty appointment during an initial three year start-up period, with the expectation that the successful candidate will secure research funding at the 50% level thereafter. We are seeking research-oriented applicants with expertise in the synthesis and/or characterization of nanomaterials. Individuals with a research emphasis on electronic materials, printed electronics, or energy materials are particularly encouraged to apply.

Applicants must possess a PhD degree in a science or engineering discipline. The successful candidate will be a faculty member in an interdisciplinary doctoral program in Nanoscience and Nanoengineering, with an anticipated start date of August 22, 2011.

The School of Mines is committed to recruiting and retaining a diverse workforce. To apply for this position, applicants must apply on-line at <http://sdmines.sdsmt.edu/sdsmt/employment>. If you need an accommodation to the on-line application process, please contact Human Resources at 605-394-1203. Review of applications will begin **December 1, 2010**, and will continue until the position is filled. Employment is contingent upon completion of a satisfactory background investigation. For more information regarding Rapid City and the university, visit <http://visitrapidcity.com/> and <http://www.sdsmt.edu/>.

SDSM&T is an EEO/AA/ADA employer & provider.

Research Staff Member**Neutron and X-Ray Scattering**

The X-Ray and Neutron Scattering and Microscopy Group in the Materials Science and Technology Division at Oak Ridge National Laboratory (www.ornl.gov) is seeking a mid-career to senior level materials scientist with a specialty in the area of Neutron and/or X-Ray Scattering basic energy sciences research. Applications are invited from candidates with demonstrated track records for conceiving and developing innovative forefront materials research programs leading to advances in fundamental understanding of condensed matter science, materials physics, nanostructures, or other energy-related research areas. The successful candidate will benefit from interactions with the diverse experimental and theoretical materials research programs at ORNL and from the forefront ORNL research capabilities, including the Spallation Neutron Source, the High Flux Isotope Reactor, the National Center for Computational Science, the Center for Nanophase Materials Sciences, and state-of-the-art electron microscopy facilities.

The position requires a PhD degree in physics, materials science, applied physics, chemistry, or a closely related science and engineering discipline. A minimum of five years experience and a preexisting scientific reputation in the fields of neutron or X-ray diffraction is a requirement. Excellent written and oral presentation skills are essential. Experience in leading and developing technical programs will also be an important asset. For further consideration and to review full job description, please visit <http://jobs.ornl.gov/>, click view open positions, type **NC50245788** in the key word search field, click start.

Oak Ridge National Laboratory is an Equal Opportunity Employer.

IOWA STATE UNIVERSITY**Position Available**

Department of Materials Science and Engineering

The Department of Materials Science and Engineering (www.mse.iastate.edu) at Iowa State University has an immediate opening in (i) Materials for Energy Conversion and Storage, aimed at new materials and/or processes for new or more effective means of power generation, distribution, storage, and utilization; and/or (ii) Resource-Sensitive Materials Engineering, aimed at new materials and/or processes that promote a sustainable future by providing alternatives to limited mineral resources, reducing consumption of energy and natural resources, and minimizing environmental damage.

The successful candidate must have a PhD degree in materials science and engineering, or a related field with demonstrated research accomplishments and the potential for continuing excellence in both research and teaching.

Complete applications submitted through **Vacancy #100636** at www.iastatejobs.com by **January 31, 2011** will include:

- A cover letter
- A curriculum vitae
- A concise statement of research and teaching interests and visions of the future not to exceed three pages
- Contact information for at least three references, including name, address, e-mail, and phone number
- One to three refereed conference or journal publication(s)

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

**Faculty Positions**

Institute of Metal Research · Chinese Academy of Sciences

The Institute of Metal Research, Chinese Academy of Sciences (IMR, CAS) has firmly established itself as an important base for materials science and engineering research in China. The IMR, CAS focuses mainly on high performance metallic materials, new inorganic nonmetallic materials, advanced composite materials, advanced biomaterials, and energy materials as well as materials engineering including materials synthesis and fabrication, processing, application, corrosion and protection, and calculation and simulation.

The IMR, CAS whole-heartedly invites inland and overseas scholars to apply for the following faculty positions in the materials and related fields:

Director of Research Division

A qualified candidate should have a PhD degree, be under 45 years old, and from overseas hold an associate professor/above or equivalent positions, with a minimum of four years relevant working experience in overseas research institutions. A candidate having a professor title can be extended to 48 years old. The qualified candidates will be recommended to apply for the National "Thousand Talents Programme" scholars.

Hundred Talents Programme Scholars

A qualified candidate should be a Chinese, have a PhD degree, be under 40 years old, and from overseas hold an assistant professor/above or equivalent positions, with a minimum of four years relevant working experience in overseas research institutions. A candidate having an associate professor title can be extended to 45 years old.

Young Merit Scholars

A qualified overseas candidate should be a Chinese, have a PhD degree, be under 38 (35 preferred) years old, and be with a minimum of two years relevant overseas working experience or obtain his PhD degree from a famous overseas research institutions. A qualified inland candidate should have an associate professor title, or be a winner of Outstanding Doctoral thesis of China or CAS, or a winner of President Special Award or Merit Award of CAS or T.S. KÉ Research Fellowship, or the other equivalent honor.

T.S. KÉ Research Fellowship Scholars

A prospective fellow should have obtained his PhD degree not more than three years and be under 35 years old. Each Fellow will receive a package of salary and benefit of RMB 100,000-150,000 per year and a research grant amounting to RMB 500,000. Fellows are required to work full-time at the post-doctor positions.

Overseas Researchers and Technicians

Recently, a Young Scholars Researcher Center of IMR was established, and leader positions of research directions related materials are open.

Further information can be found at <http://www.imr.cas.cn>. Interested persons should please contact Dr. Sufang Tang at sftang@imr.ac.cn.



Faculty Position

Department of Chemical Engineering Columbia University

The Department of Chemical Engineering (CHEN) at Columbia University invites applications for tenure and tenure-track faculty positions. Appointments at all levels, including assistant professor, associate professor, and full professor, will be considered. The department's priority areas are in health, infrastructure, and sustainability. Outstanding candidates who are experts in specific and cross-cutting areas including, but not limited to, energy, the environment, and biological engineering and who can make significant contributions to the above priority area(s) are welcome to apply. Candidates working at the interface between physical sciences, life sciences, and computer science are also encouraged to apply. All applicants MUST meet these minimum qualifications to be considered for the position.

Assistant Professors at Columbia are academic officers holding the doctorate or its professional equivalent who are beginning a career of independent scholarly research and teaching. Associate Professors at Columbia are academic officers holding the doctorate or its professional equivalent who have demonstrated scholarly and teaching ability and show great promise of attaining distinction in their fields of specialization. Professors at Columbia are scholars and teachers holding the doctorate or its professional equivalent who are widely recognized for their distinction. Candidates for senior-level appointment must have a distinguished record of achievement as evidenced by leadership in their field of expertise, publications, professional recognition, as well as a commitment to excellence in teaching.

The search will close no sooner than November 30, 2010, and will remain open until the position is filled. **Starting date is July 1, 2011.** Candidates should submit a brief research plan, statement of teaching objectives that demonstrates a commitment to chemical engineering education, the names and contact information of three references, a curriculum vitae, and reprints of recent key research publications. Do not mail applications. Please apply online to <https://academicjobs.columbia.edu/applicants/Central?quickFind=53784>.



Columbia University is an equal opportunity/affirmative action employer.

PROFESSOR & HEAD Department of Materials Science and Engineering



THE UNIVERSITY of TENNESSEE | UT College of Engineering

Applications and nominations are invited for the position of Professor and Head of the Department of Materials Science and Engineering (MSE) at The University of Tennessee, Knoxville (UTK), College of Engineering. Additional information regarding the Department may be viewed at <http://www.engr.utk.edu/mse/>.

Primary responsibilities of the department head are to provide visionary leadership; to encourage excellence and innovation in research, teaching and service; to advance professional development of faculty, staff and students; to promote productive relationships with all constituents including students, parents, alumni, industry and government agencies; and to foster productive interdisciplinary relationships with a variety of entities across the University community.

Applicants must hold a doctorate degree in materials science and engineering or a closely related field. In addition, candidates must be eligible for appointment at the rank of full Professor. Commitment to, and knowledge of, affirmative action, equal employment opportunity, and diversity are required. The successful candidate must also have a balanced perspective on research and teaching, as well as the vision and ability to lead a faculty representing a diversified range of interests. In addition, experience is required that demonstrates strong and successful administrative skills and proven leadership skills. Demonstrated excellence in research, professional practice, technical leadership and graduate and/or undergraduate teaching is strongly desired.

Applications should be submitted as a single PDF file via e-mail to coeutk@utk.edu and include: (1) a letter detailing applicant's interest in the position and vision for progressive advancement of the program, (2) a comprehensive curriculum vitae, and (3) the names and contact information (address, phone number and email address) of five professional references. Questions regarding the position should be directed to the Chair of the Search Committee, Dr. Dayakar Penumadu, via e-mail at dpenumad@utk.edu. Review of the applications will begin **December 1, 2010**, and continue until the position is filled. Anticipated start date is August 1, 2011.

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.



One of the oldest institutions of higher education in this country, the University of Delaware today combines tradition and innovation, offering students a rich heritage along with the latest in instructional and research technology. The University of Delaware is a Land-Grant, Sea-Grant and Space-Grant institution with its main campus in Newark, DE, located halfway between Washington, DC and New York City. Please visit our website at www.udel.edu.

Faculty Positions in Materials Science and Engineering (all ranks)

The Department of Materials Science and Engineering at the University of Delaware is seeking candidates to fill tenure-track faculty positions. Candidates must have a PhD in Materials Science and Engineering or a related field and will be expected to establish an outstanding independent research program. Areas of research emphasis for the department and College of Engineering include biomaterials, composites, energy, theory/simulation and nanofabrication. Concurrent with this search are cluster searches in the College of Engineering. For more information check www.engr.udel.edu/facultysearch. The department has a strong history of collaborative and interdisciplinary research. Successful candidates will be expected to participate in and contribute to this multidisciplinary research environment and will have previously demonstrated their research abilities. The successful candidate will also be responsible for teaching undergraduate and graduate courses in the Materials Science and Engineering curriculum; demonstrated ability in teaching will strengthen the application.

Applicants should submit a curriculum vitae, a statement of research and teaching interests, and a list of at least four references to www.engr.udel.edu/facultysearch. Applicants should also include a Research Proposal (3-6 pages) describing future research plans that include at least two externally-fundable research directions. Exceptionally well-qualified candidates with outstanding credentials will be considered for appointments at higher academic ranks. Women and minorities are especially encouraged to apply; the department/university is supportive of the needs of dual career couples. Applications received by 15 November 2010 are assured of full consideration.

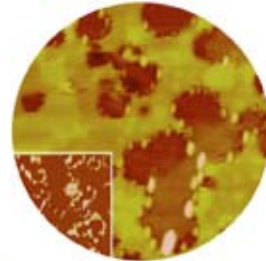
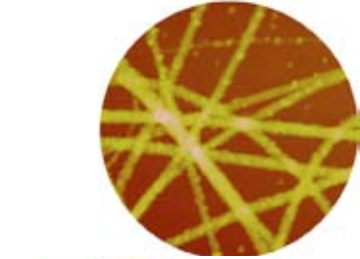
The UNIVERSITY OF DELAWARE is an Equal Opportunity Employer which encourages applications from Minority Group Members and Women.

Tenure-Track Faculty Positions in Materials Science and Engineering

Washington University in St. Louis invites applications for multiple tenure-track faculty positions in Materials Science and Engineering. Candidates should have an earned Ph.D. in materials science, materials engineering, chemical engineering, mechanical engineering, or a related discipline. Research areas of interest include, but are not limited to: nanostructured materials, nanoparticle technology, adaptive and multi-functional materials, energy harvesting and energy storage, electrochemical processes, materials synthesis, soft materials, biomaterials, hybrid materials, nanotoxicology, and multiscale processes.

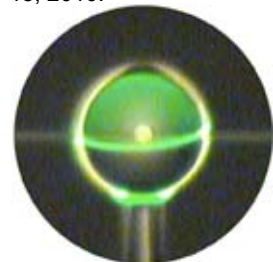
Depending on the background of the candidate and synergies in research interests, successful applicants will have their primary appointment in one of the five School of Engineering & Applied Science (SEAS) departments (e.g. Mechanical Engineering & Materials Science, Biomedical Engineering, or Energy, Environmental, & Chemical Engineering) with the potential for joint appointments in other departments within engineering (e.g. Computer Science & Engineering or Electrical & Systems Engineering) or in other schools (Medicine, Arts & Sciences) at Washington University. Materials science has been identified as an area of growth for SEAS at Washington University. Cross-disciplinary initiatives in materials science include the Center for Materials Innovation and the International Center for Advanced Renewable Energy and Sustainability.

The current search is aimed at recruiting a cluster of new faculty members, primarily at the junior level, but appointment at more senior levels will be considered for a candidate with a distinguished record of achievement in research and teaching. The successful applicant will be expected to build strengths within SEAS and establish strong connections with existing materials science programs and other relevant interdisciplinary areas in the physical and biomedical sciences. In addition to research, all successful candidates are expected to teach engineering courses at the undergraduate and graduate levels.



Applicants should submit curriculum vitae, statements of research plans and teaching interests and philosophy (each statement not to exceed 3 pages), and a list of at least three references (with telephone numbers and email addresses) by email as a single file in PDF format. Email applications and queries to Prof. Philip V. Bayly, search committee chair, at materials_search@seas.wustl.edu.

Applications will be accepted at any time, and will be considered until the positions are filled; evaluation will begin by November 15, 2010.



Women and members of groups under-represented in engineering are encouraged to apply. Washington University is an equal opportunity/affirmative action employer. Employment eligibility verification will be required upon employment.



Washington University in St. Louis

Search web site: <http://engineering.wustl.edu/facultyopenings.aspx>

Images: Young-Shin Jun, Yang Lan, Cynthia Lo, Srikanth Singamaneni



BGSU

Bowling Green State University

Faculty Position

Department of Physics & Astronomy

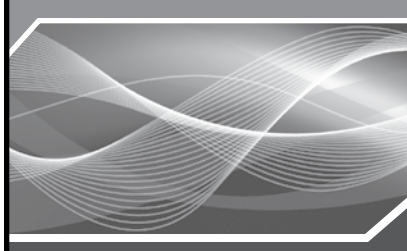
We are currently seeking applicants for a tenure-track faculty position at the Assistant Professor level in the area of experimental condensed-matter physics. Experience is preferred in the fields of photovoltaics, colloidal nanoscience, biophysics, or thin-film devices. The position will be available in Fall 2011. The successful candidate will be expected to inaugurate an experimental research program in one of the above areas and will be eligible for an appointment as an Associate Principal in the Center for Photochemical Sciences, an interdisciplinary research center offering the PhD degree, with an average of over 30 graduate students.

Applicants should submit a CV, brief statement (3 to 5 pages) of research plans, statement of teaching philosophy, and arrange for at least three letters of recommendation to be sent to:

Search: Attn. S. Gardner
sgardne@bgsu.edu
Dept. Physics and Astronomy
Bowling Green State University
Bowling Green, OH 43403

Screening will begin on
December 15, 2010.

BGSU is an Affirmative Action/Equal Opportunity Employer and encourages applications from women, minorities, veterans, and individuals with disabilities.



FACULTY POSITIONS

Department of Materials Science and Engineering



The University of North Texas seeks applicants to fill one open rank (Assistant/Associate/Full Professor) and two Associate and/or Full Professor positions in the Department of Materials Science and Engineering (MTSE). Tenured appointments are possible. The positions will cover a broad area of structural materials (metals, ceramics, polymers, and composites/hybrids) and candidates will develop synergies to further strengthen the existing core emphases in: 1) structural aerospace, automotive, and multifunctional composite materials; 2) structural biomaterials; and 3) structural energy-related materials.

The MTSE Department at UNT has grown significantly adding eight members in the past five years to its present size of thirteen faculty members. The proposed faculty positions are a part of the recently approved strategic plan of the MTSE department for expansion and future growth and to create excellence and prominence in the area of structural materials. UNT has excellent materials processing, testing, and characterization facilities that are part of the Center for Advanced Research and Technology (CART) housed within MTSE department at UNT, an interdisciplinary center (physics, chemistry, and biology). UNT also has developed a strong research effort in computational materials across multiple size and time scales. The new faculty members will also lead new research endeavors and work closely with UNT faculty with both experimental and computational research programs to forge national/international collaborative research proposals. Additional information on the MTSE department can be found at www.mtse.unt.edu.

The positions require an earned doctorate in Materials Science and Engineering, or a related field. Applicants should have demonstrated a strong commitment to teaching and research, and must exhibit potential to develop and sustain a cutting-edge research program with funding from sources external to the university. Prior teaching and/or research experience is preferred. Salaries, benefits, and teaching loads typical for an emerging research university.

Applicants must submit an online application to <http://facultyjobs.unt.edu>. Screening of applications will begin on **November 1, 2010** and will continue until the search is closed. For additional information and questions, please can contact co-chairs of the search committee Narendra Dahotre at 940-565-2031 or Narendra.Dahotre@unt.edu, or Thomas Scharf at 940-891-6837 or Thomas.Scharf@unt.edu.

The University of North Texas is an AA/ADA/EOE committed to diversity in its educational programs.



TENURE-TRACK FACULTY POSITION

Experimental Condensed Matter Physics
McGill University

We are currently seeking applications for a tenure-track faculty position at the rank of Assistant Professor in the area of experimental condensed matter physics, beginning as early as September 2011.

McGill University's Department of Physics has an internationally diverse faculty and offers a rich research environment that includes the availability of advanced materials fabrication, characterization, measurement, and the access to atomic manipulation and microfabrication facilities. We are looking for an individual whose vigorous research program will enhance and complement this effort, and we value strong interdisciplinary interactions within and outside our Department. This search has an emphasis on solid state physics and on advanced materials, but applications from all areas of experimental condensed matter physics will be considered.

The department has active groups in Astrophysics, Biophysics, Condensed Matter, Nuclear, Particle, and Theoretical Atmospheric Physics. For more information about McGill and the Department of Physics, consult our home page at <http://www.physics.mcgill.ca>.

We seek candidates with a proven record of excellence in research and also the capacity for excellence in teaching. Applicants should submit a detailed curriculum vitae and a statement of teaching interests as well as a research plan. They should also arrange for three letters of reference to be sent directly to:

Professor Charles Gale
Chair, Department of Physics
McGill University
3600 University Street
Montreal, Quebec Canada H3A 2T8



Review of applications will begin **December 20, 2010**. The successful candidate will be supported by a generous start-up package.

All qualified candidates are encouraged to apply, however, Canadian citizens and permanent residents of Canada will be given priority. McGill University is committed to equity in employment.

Executive Director Advanced Energy Research Center

Stony Brook University, home to many highly ranked graduate research programs, is located 60 miles from New York City on Long Island's scenic North Shore. Our 1,100-acre campus is home to 24,000 undergraduate, graduate, and doctoral students and more than 13,500 faculty and staff, including those employed at Stony Brook University Medical Center, Suffolk County's only academic medical center and tertiary care provider. The University is a member of the prestigious Association of American Universities and co-manager of nearby Brookhaven National Laboratory (BNL).

Stony Brook University seeks outstanding applicants for the executive director of the Advanced Energy Research and Technology Center. The Center is a partnership of academic and research institutions; energy providers and regulators; and industrial corporations. The Center operates in close cooperation with Brookhaven National Laboratory, and its Advisory Board consists of leaders of major utilities, industry, and academic institutions. For more information about AERTC, see www.AERTC.org

The successful applicant should have a significant record of accomplishment in energy-related science and technology, particularly in relevant areas of engineering, nanotechnology, biotechnology, or computational science. Accomplishments should include demonstrated success in securing resources to support energy research and technology development from federal, state, industry, or private sources. Candidates should have experience in positions interacting with industry, public and political audiences, and the ability to provide leadership for interdisciplinary and multi-institutional research and development programs. Required: Master's degree. Preferred: Doctoral degree in scientific/engineering discipline strongly preferred, along with a strong relevant research record in academic or industrial settings or their equivalents.

Applications will be accepted until the position is filled. For a full position description, application procedures, or to apply online, visit www.stonybrook.edu/jobs (Jobs #: WC-S-6523-10-09-S) or send a letter of application, a current C.V., and contact information for three references to: Dr. Jane Yahil, AERTC Executive Director (6523) Search, Vice President for Economic Development Office, Engineering Building, Room 100, Stony Brook University, Stony Brook, NY 11794-2200.

Stony Brook University/SUNY is an equal opportunity, affirmative action employer.



UNIVERSITY
of NEW HAMPSHIRE



Faculty Position

Experimental Condensed Matter Physics

The University of New Hampshire invites applications for a tenure-track faculty position in Experimental Condensed Matter Physics in the Department of Physics with a joint appointment in the Materials Science Program beginning Fall 2011. An appointment at the Assistant Professor level is anticipated but exceptional candidates at higher rank will be considered. Areas of particular interest include quantum phenomena in low-dimensional systems. Candidates with outstanding academic credentials, a strong research record, and a commitment to teaching at the undergraduate and graduate level are encouraged to apply. Successful candidates will be expected to develop highly productive sponsored research programs within the condensed matter physics group and the UNH Materials Science Program, as well as the NSF-funded Nanoscale Science and Engineering Center.

Interested applicants should send a cover letter that addresses the expected rank of appointment and discusses how their research will complement existing programs at UNH. Please submit your application as a single PDF document in the following order—cover letter, curriculum vitae, research plans (4 page max.), and teaching statement—to phys.search10@unh.edu and arrange for three (3) letters of recommendation to be sent either electronically or to Chair, Physics–Materials Science Search Committee, Department of Physics, University of New Hampshire, Durham, NH 03824. Review of complete applications will commence on **December 6, 2010**. Inquiries about the position should be addressed to Prof. Karsten Pohl at kpohl@unh.edu. For a more comprehensive job description visit <https://jobs.usnh.edu>.

UNH, an AA/EEO employer, is committed to excellence through the diversity of its faculty and staff and encourages women and minorities to apply. UNH is a recipient of a NSF-ADVANCE grant for the advancement of women faculty in Science and Engineering.



TENURE-TRACK FACULTY POSITION

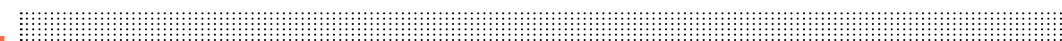
Department of Mechanical Engineering
University of Colorado at Boulder

The Department of Mechanical Engineering at the University of Colorado at Boulder invites applications for a full-time tenure-track position at the rank of assistant professor with expertise in solid mechanics/materials physics; exceptionally well-qualified candidates with outstanding credentials may be considered for appointment at a higher academic level. Candidates are expected to complement and strengthen existing departmental research in the areas of micro-/nano-systems engineering, energy and environmental engineering, materials, or biomechanical/biomaterials engineering. Candidates must have an earned doctorate in mechanical engineering or a closely related field with a strong background in research.

Successful candidates must have a strong commitment to scholarship, the development of an externally funded research program, and teaching at the undergraduate and graduate levels in mechanical engineering. Postdoctoral or similar professional experience is highly desirable but not required. Interested persons should apply through <http://www.jobsatcu.com> using **posting number 811463** and submit electronic files (pdf format) containing a cover letter, curriculum vita, two-page statements of research and teaching interests, respectively, and the names, addresses, telephone numbers, and email addresses of at least three references.

Review of applications will begin as they are received, and will continue until the position is filled. Additional information regarding the Mechanical Engineering Department search process as well as the research and academic programs can be found at www.colorado.edu/mechanical.

The University of Colorado is committed to diversity and equality in education and employment.



UNIVERSITY of CALIFORNIA • IRVINE

Faculty Position • Chemical Engineering and Materials Science

The Henry Samueli School of Engineering at the University of California, Irvine invites qualified applicants for a Faculty Position in the Department of Chemical Engineering and Materials Science. Candidates should have a doctoral degree in Materials Science and Engineering, Chemical Engineering, or related discipline, demonstrated excellence in research, and a strong commitment to teach courses at undergraduate and graduate levels. Outstanding candidates whose research programs impact the areas of biomaterials and bio-inspired materials are particularly encouraged to apply. Broadly, this includes (but is not limited to) the development and application of materials in emerging interfaces between healthcare and nano-devices. Candidates qualified to teach undergraduate courses in materials science and engineering are preferred.

Nominally, the position will be at the assistant professor level (tenure track), but in exceptional cases senior applicants will be considered. The successful candidate will be considered for a Samueli Faculty Career Development Professorship (junior level) or a Samueli Endowed Chair (senior level).

Please submit applications electronically at <http://www.eng.uci.edu/employment/faculty>. Candidates should submit their curriculum vitae, a list of publications, descriptions of research plans and teaching interests, and names of three references. Selection will begin **December 1, 2010**, and will continue until the position is filled.

For additional information, please contact: Janine Le, Department of Chemical Engineering and Materials Science, University of California, Irvine, 916 Engineering Tower, Irvine, CA 92697-2575; Email: jhle@uci.edu; Phone: 949-824-3786

UCI is an Equal Opportunity/Affirmative Action Employer committed to excellence through diversity and strongly encourages applications from all qualified candidates including women and minorities. UCI is responsive to the needs of dual career couples, is dedicated to work-life balance through an array of family-friendly policies, and is the recipient of an NSF ADVANCE Award for gender equity, a program recently expanded at UC Irvine to include racial/ethnic equity.

THE UNIVERSITY OF KANSAS

Faculty Position Experimental Condensed Matter Physics

The Department of Physics and Astronomy at the University of Kansas seeks applicants for a tenure-track assistant professor position in the field of experimental condensed matter physics. The position is expected to begin as early as August 18, 2011. Candidates who complement the existing programs in condensed matter physics, in particular with regard to basic energy science, are encouraged to apply. A Ph.D. or ABD in Physics or a closely related field is required, with Ph.D. expected by start date of appointment (8/18/11). A strong record of research and commitment to excellence in teaching are required. A start-up package is included. For a complete position announcement and to apply online, go to <https://jobs.ku.edu> and search for position number 00001634 **Department Name:** Physics and Astronomy. A complete electronic application will include: a letter of application, a list of 3 references, statements of research and teaching interests, and a curriculum vitae. Additionally, applicants should arrange for the three cited references to send letters of reference to: **Stephen J. Sanders, Chair, Department of Physics and Astronomy, University of Kansas, 1251 Wescoe Hall Dr., 1082 Malott Hall, Lawrence, KS 66045-7582; Phone: 785-864-4626; Website: www.physics.ku.edu**. Initial review of applications begins November 15, 2010 and continues as long as needed to identify a qualified pool.

EO/AA Employer.

2010 **MRS** FALL MEETING

CAREER CENTER

Meet Your Next Employer ...

Show off your talents to the world's most prestigious universities, laboratories and high-tech firms. FREE of charge to all MRS Members, the Career Center provides targeted employment opportunities to candidates seeking positions in the scientific community.

- Review open positions tailored to the materials research industry
- Interview with prospective employers
- Visit on-site recruitment booths and network with technical staff

Location & Hours

Hynes Convention Center • Exhibit Hall (Level 2)

Monday, November 29

(Registration only)
1:00 pm – 4:00 pm

Tuesday, November 30

11:00 am – 5:30 pm

Wednesday, December 1

11:00 am – 5:30 pm

Thursday, December 2

10:00 am – 1:30 pm

For additional information,
visit www.mrs.org/F10_CareerCenter



Do the research to advance your career...visit the MRS Career Center in Boston!