



ASSISTANT, ASSOCIATE, OR FULL PROFESSOR

Jacobs School of Engineering, University of California, San Diego

The Department of NanoEngineering (<http://nanoengineering.ucsd.edu>), which combines Materials and Chemical Engineering around Nanotechnologies for the Jacobs School of Engineering, invites applications for tenure-track or tenured faculty positions at the Assistant, Associate, or Full Professor level. The NanoEngineering Department is within Jacobs School of Engineering and is committed to building an excellent, diverse and inclusive faculty, staff, and student body (<http://www.jacobsschool.ucsd.edu/diversity>).

Candidates are expected to carry out forefront research and teach classes related to NanoEngineering in the following technical field: **Bionanotechnology and Nanomedicine**. The candidates are expected to have a PhD degree in the fields of Biomedical, Chemical, Materials, Electrical, Mechanical Engineering, Chemistry, Biophysics, or similar related fields, to support the growth of the bionanotechnology focus of the department. Exceptional candidates in all other areas will be given serious consideration. A successful candidate may have close ties with the Institute of Engineering in Medicine, Moores Cancer Center, or the BRAIN Initiative at UCSD, enhancing cross-campus collaborations, while spearheading a strong independent research program in bionanotechnologies related to healthcare sector.

The research areas of primary interest to the department are: nanotechnology-enabled drug delivery, biomanufacturing, bioimaging, biosensing, biocatalysis, and bio-inspired self assemblies and scaffolds, as well as DNA nanotechnology, nanobiomachines, nanotoxicity, single-molecule nanobioscience, and other cutting-edge bionanotechnology areas. A demonstrated track record of high quality publications and innovations is required.

UC San Diego strives to maintain a climate of fairness, cooperation and professionalism that enables us to attract a more diverse cross section of faculty in terms of gender, ethnicity, and nationality, and candidates who have a demonstrated track record of enhancing diversity are strongly encouraged to apply. Candidates with experience with or willingness to engage in activities that contribute to diversity and inclusion are especially encouraged to apply. For applicants interested in spousal/partner employment, please see the Web site for the UCSD Partner Opportunities Program at <http://academicaffairs.ucsd.edu/offices/partneropp/default.htm>.

Please submit (i) a letter of interest including specific synergies envisioned with our faculty; (ii) curriculum vitae, including the list of publications and professional activities; (iii) a statement of research interests and teaching experience, including a summary of leadership efforts; (iv) a separate statement describing your past experience in activities that promote diversity and inclusion and/or plans to make future contributions (For further information about contributions to diversity statements, see <http://facultyequity.ucsd.edu/Faculty-Applicant-C2D-Info.asp>); and (v) the names and email addresses of 4 references, using the online application.

All applicant materials including referee info should be submitted via UCSD Academic Personnel On Line Recruit at: <https://apol-recruit.ucsd.edu/apply/JPF00403>. For inquiries only, contact: Dana Jimenez at dlijimenez@eng.ucsd.edu. Candidates applying by **December 1, 2013** will be given full consideration. Position is open until filled. Level of appointment and salary is commensurate with qualifications based on UC pay schedules and market conditions.

UCSD is an Affirmative Action/Equal Opportunity Employer with a strong institutional commitment to excellence through diversity.

IIT Armour College
of Engineering 

ILLINOIS INSTITUTE OF TECHNOLOGY

Faculty Position

Department of Mechanical, Materials,
and Aerospace Engineering (MMAE)

Applications are invited for a tenure-track faculty position at the assistant or associate professor level in the area of computational materials science and engineering. Candidates from a range of disciplines such as materials science, chemistry, physics, and mechanical engineering are all welcome to apply.


Candidates must have an earned doctoral degree in engineering or physical science, and are expected to attain significant research funding that supports graduate students and provides a record of published research. They are also expected to be effective teachers for undergraduate and graduate courses in the MMAE department.

The MMAE Department at IIT offers BS, MS, and PhD degrees in mechanical engineering, aerospace engineering, and materials science and engineering. Current full time enrollment is over 450 undergraduate students and 220 graduate students. Information on faculty, research, and degree programs in the MMAE Department can be found at <http://mmae.iit.edu>.

Applicants should apply with a **single** pdf file including: i) cover letter, ii) curriculum vitae, iii) a research statement, iv) a statement of teaching philosophy, v) contact information of five references, and vi) a sample of a published research paper. Applications received prior to **December 15, 2013** will be given the strongest consideration, and the position will remain open until filled.

Applications should be sent electronically to Professor Leon Shaw, Chair of Search Committee, MMAE Department, at mmae-assistant@iit.edu.

IIT is an Equal Opportunity and Affirmative Action Employer. Women and underrepresented minorities are particularly encouraged to apply.

FACULTY POSITION


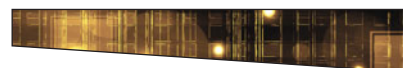
Department of Physics, University of Illinois at Chicago
Materials Science Division, Argonne National Laboratory

The University of Illinois at Chicago (UIC) and Argonne National Lab (ANL) invite applicants for a position in computational condensed matter and materials physics with emphasis on energy and nanoscience. This is an Assistant Professor position at UIC with an associated appointment at ANL, and we are envisioning individuals who will build a world class program that provides synergistic coupling between the two institutions. UIC is a Research I public university in the heart of Chicago and ANL is a leading national laboratory near Chicago. A more complete description of our programs can be found at www.msd.anl.gov and www.phy.uic.edu.


The successful candidate must have a PhD degree in a relevant area and postdoctoral experience. This is a tenure-track Assistant Professor level position; options for accelerated tenure consideration exist for outstanding candidates. For position details and to apply, please go to <https://jobs.uic.edu/job-board/job-details?jobID=35698&job=assistant-professor-physics>. Applications, which must include a CV, a statement of research interests, and the names of at least three references, must be completed by **December 20, 2013**.

UIC is the largest university in the Chicago area with 27,000 students, 15 colleges, including the nation's largest medical school, and one of the nation's most diverse student bodies. The University of Illinois is an Affirmative Action/Equal Opportunity Employer. For additional information, please refer to UIC's Home Page at www.uic.edu.

ANL is a multi-program laboratory managed by UChicago Argonne, LLC for the U.S. Department of Energy's Office of Science. ANL is an equal opportunity employer and values diversity in their workforce. Argonne's site is located about 25 miles southwest of Chicago on a beautiful 1500 acre campus. For additional information, please refer to Argonne's Home Page at www.anl.gov.

University of Colorado **Boulder**



FACULTY POSITION

Materials Science and Engineering Program

The interdisciplinary Materials Science and Engineering program at the University of Colorado (<http://mse.colorado.edu/>) seeks to hire three exceptional candidates as tenure-track assistant professors. This program offers tenure-track appointments in science and engineering departments across the campus to candidates with interests in materials research. Candidates with interests in all materials research areas will be considered.

Application materials are accepted electronically at <https://www.jobsatcu.com>, posting number **F00773**. Review of applications will begin October 31, 2013. The openings are targeted at the level of Assistant Professor, but experienced candidates with outstanding credentials may be considered for Associate or Full Professor. The University of Colorado Boulder conducts background checks for all final applicants.

The University of Colorado Boulder is an Equal Opportunity/Affirmative Action employer.



Tenure-Track Assistant Professor

Chemical Engineering and Materials Science


Stevens Institute of Technology announces a tenure-track faculty opening in the Department of Chemical Engineering and Materials Science (CEMS) starting August 1, 2014. As a leading academic department at Stevens, CEMS has its research centered on problems broadly related to energy, health, and defense that are closely aligned with the ten-year strategic plan of the Institute.

Applicants should have a PhD degree in Chemical Engineering, Materials Science and Engineering, or closely related disciplines. While all relevant areas will be considered, priority will be given to candidates with research interests in sustainable energy or innovative healthcare solutions. Successful applicants will be expected to develop strong extramurally funded research and show a clear commitment to both graduate and undergraduate education in an interdisciplinary environment. The search targets applicants for the rank of assistant professor but applications for higher ranks will also be considered, depending on the candidate's experience, record of accomplishments, and national and international recognition.

Applications will be accepted until the position is filled. Applicants should submit a curriculum vitae, a detailed research plan including long-term professional goals, a description of teaching interests, and contact information for at least three references.

Applicants can apply for this position at <http://www.apply2jobs.com/Stevens>.

Stevens Institute of Technology is an equal opportunity/affirmative action employer and actively seeks the candidacy of women and minorities.



FACULTY POSITION

Materials Science and Engineering

The Materials Science & Engineering Department at Michigan Technological University invites applications for a tenure-track faculty position at the rank of Assistant, Associate, or Full Professor. Successful applicants will have demonstrated an esteemed record of professional achievement commensurate with rank and the potential to continue and sustain a high-quality, peer-recognized research program. Applicants whose research focuses on traditional structure-property-processing relationships in materials are particularly encouraged to apply. Michigan Tech enrolls approximately 7000 students, of which 4150 are in the College of Engineering. The MSE Department presently enrolls approximately 150 undergraduate and graduate students. Additional information about the search, the MSE Department, Michigan Tech, and the community can be found at www.mtu.edu/materials.

Applications should be submitted electronically to <http://www.jobs.mtu.edu/postings/1188> and will include a copy of the applicant's curriculum vitae, statements of teaching interests and research plans, and a cover letter summarizing qualifications for the position. Contact information for three professional references will be requested at a later time. Applications received by **15 February 2014** will receive full consideration. Nominations or inquiries of a general nature may be directed to msearch@mtu.edu.

Michigan Tech acknowledges the importance of supporting dual career partners in attracting and retaining a quality workforce (www.dual.mtu.edu). Michigan Tech is an ADVANCE institution, one of a select group of universities in receipt of NSF funds in support of our commitment to increase diversity and the participation and advancement of women in STEM.

Michigan Technological University is an Equal Opportunity Educational Institution/Equal Opportunity Employer.



Faculty Positions Materials Design, Synthesis and Mechanics Arizona State University

The Ira A. Fulton Schools of Engineering at Arizona State University seek applicants for tenure-track/tenured faculty positions in materials design, synthesis, and mechanics of novel functional materials for flexible systems and structures that are intended to grow our efforts in the important thrust areas of Energy, Health, Security, and Sustainability. Areas of application interest include, but are not limited to, design and synthesis of materials and architectures such as 1D nanowires and 2D layered materials possessing advanced properties for flexible electronics, photonics, energy harvesting and storage, mechanical systems, and thermal management. Integration of these new materials with other functional materials for devices is also highly desired; the originality and promise of each candidate's work are higher priorities than the specific area of research.

We seek applicants who will contribute to our programs and will leverage investments by the University in promoting interdisciplinary teaching and research. These investments include, among others, the Flexible Display Center (<https://flexdisplay.asu.edu/>), the Security and Defense Systems Initiative (<http://sdsi.asu.edu>), Lightworks (<http://asulightworks.com>), and the Biodesign Institute (<http://biodesign.asu.edu>). The current openings are intended to broaden our expertise and expand collaborations.

The successful candidates will hold an earned PhD degree, or equivalent, in Materials Science and Engineering, Chemical Engineering, Mechanical Engineering, Electrical Engineering, or a closely related field. Required qualifications also include demonstrated evidence of research capability and commitment to teaching excellence as appropriate to the candidate's rank. Desired qualifications include a commitment to trans-disciplinary teaming.

Faculty members are expected to develop an internationally recognized and externally funded research program, develop and teach graduate and undergraduate courses, advise and mentor graduate and undergraduate students, and undertake service activities.

Appointments will be at the assistant, associate, or full professor rank commensurate with the candidate's experience and accomplishments, beginning August 2014. Although the faculty appointment may be in any of the Fulton Schools of Engineering, the Materials Science and Engineering, Mechanical Engineering, Chemical Engineering, and Electrical Engineering programs are currently among the most involved in the interest areas of the search.

Review of applications will begin **December 2, 2013**; if not filled, reviews will occur on the 1st and 15th of the month thereafter until the search is closed. To apply, please submit as a single PDF file a cover letter, current CV, statements describing research and teaching interests, and contact information for three references to materials.design.faculty@asu.edu.

For more information or questions about this position, please contact the search committee chair Prof. Hanqing Jiang via email at hanqing.jiang@asu.edu.

Arizona State University is an equal opportunity/affirmative action employer. Women and minorities are encouraged to apply. See ASU's complete non-discrimination statement at <https://www.asu.edu/titleIX/>.



Assistant Professor Positions Metallurgical and Materials Engineering Colorado School of Mines

The George S. Ansell Department of Metallurgical and Materials Engineering (MME) at the Colorado School of Mines invites applications for two tenure-track positions at the level of Assistant Professor.

The successful candidates will be expected to teach existing undergraduate and graduate level courses and to develop new courses appropriate to their expertise. They will be expected to advise both MS and PhD students and to develop external research funding both independently and as a team member.

The applicants must possess a PhD or an equivalent degree in Metallurgical Engineering or Materials Science and Engineering or a closely related field. Applicants should also have (or show potential for) demonstrated research excellence in an area of materials science and engineering preferably with an emphasis in an area that complements the core strengths in MME, namely, (1) chemical metallurgy, (2) physical/mechanical metallurgy, (3) ceramics, and (4) advanced coatings.

For the complete job announcement and directions on how to apply, visit <http://inside.mines.edu/HR-Academic-Faculty>



JEFFERSON SCIENCE FELLOWSHIP



The National Academies is pleased to announce a call for nominations and applications for the **2014 Jefferson Science Fellows Program**. Initiated by the Secretary of State in 2003, this fellowship program engages the American academic science, technology, engineering, and medical communities in the design and implementation of U.S. foreign policy.

Jefferson Science Fellows (JSF) spend one year at the U.S. Department of State or the U.S. Agency for International Development (USAID) for an on-site assignment in Washington, DC that may also involve extended stays at U.S. foreign embassies and/or missions.

The fellowship is open to tenured, or similarly ranked, academic scientists, engineers, and physicians from U.S. institutions of higher learning. Nominees/applicants must hold U.S. citizenship and will be required to obtain a security clearance.

The deadline for 2014-2015 program year applications/nominations is **January 13, 2014**. To learn more about the Jefferson Science Fellowship and to apply, visit the JSF website at www.nas.edu/jsf.

The JSF program is administered by the National Academies and supported by the U.S. Department of State and USAID.

THE NATIONAL ACADEMIES
Advisers to the Nation on Science, Engineering, and Medicine



Department of Energy
National Nuclear Security Administration

Stewardship Science Graduate Fellowship

Providing outstanding benefits and opportunities to students pursuing a Ph.D. in areas of interest to stewardship science:

- properties of materials under extreme conditions and hydrodynamics
- nuclear science
- high energy density physics

BENEFITS

- \$36,000 yearly stipend
- Payment of full tuition and required fees
- \$1,000 yearly academic allowance
- Annual program review
- 12-week research practicum
- Renewable up to four years

APPLICATIONS DUE JANUARY 15, 2014

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 equal opportunity program is open to all qualified persons without regard to race, gender, religion, age, physical disability or national origin.



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



Faculty Position | Soft Materials

The Department of Materials Science & Engineering at Drexel University (www.mse.drexel.edu) is seeking applications for a tenured/tenure-track faculty position with a demonstrated record of excellence in original research in soft materials. While primary consideration will be given to candidates with areas of expertise in synthesis and processing of polymeric materials, the ideal applicant should possess research interests in applying principles of soft materials in emerging research areas such as advanced energy technologies, biomedical materials and devices, or environmental sustainability.

Located in an exciting urban environment, our department has rapidly expanded during the past ten years; and presently has 16 faculty, 155 undergraduate, and over 100 graduate students working in four core research directions including materials for energy, health, extreme environments, and electronics. Our graduate program was recently ranked #11 among all materials PhD programs in the US by the National Research Council.

To apply, please go to our application page at <http://www.materials.drexel.edu/faculty/positions/>. The position is available immediately and applications will be considered until the position is filled.

Drexel University is an Equal Opportunity Employer and encourages applications from qualified women and minorities.



DREXEL UNIVERSITY
**Materials Science
and Engineering**
College of Engineering

MAX-PLANCK-GESELLSCHAFT zur Förderung der Wissenschaften e.V.



MAX-PLANCK-GESELLSCHAFT

Max Planck Research Groups

The Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V. is an independent, non-profit research organization, whose goal is to promote top quality research at its institutes. The over 80 research institutes of the Max-Planck-Gesellschaft conduct basic research in **Biology and Medicine; Chemistry, Physics and Technology; the Humanities, Social Sciences and Law**. In particular, the Max-Planck-Gesellschaft addresses new, innovative and interdisciplinary research areas.

To achieve this, we need you - outstanding postdocs in all fields of research pursued in our organization. We invite you to work with us and apply for a position as Max Planck Research Group Leader. We also encourage candidates with an interdisciplinary background and those who are working in the field of Astrobiology and Origins of Life.

Excellent research is irrespective of gender. However, the Max-Planck-Gesellschaft still lacks female scientists and their outstanding talents. We hereby explicitly welcome applications from highly skilled women in all disciplines.

The successful candidates will be offered a **Max Planck Research Group** for a period of five years **at a Max Planck Institute of their own choice**. This includes a W2 position equivalent to assistant or associate professor level and additional resources for research positions, budget, and investments. The cumulative amount of funding is competitive with top class start-up packages of international career development programs. Start of funding is in 2015, with a lead time of up to three months.

Your applications should include a CV, a list of publications, copies of three publications, a one-page summary of scientific achievements, two letters of recommendation, and a two-page research plan. For further information and detailed application instructions please see

<http://www.mprg.mpg.de>

The Max-Planck-Gesellschaft is committed to employing individuals with disabilities and explicitly encourages them to apply.

The deadline for application is **November 24, 2013**.

Faculty and Research Scholar Positions



**Center for Condensed Matter Sciences
National Taiwan University**

The Center for Condensed Matter Sciences, a premiere research center at National Taiwan University, has immediate openings for regular faculty and non-tenure research scholar positions. Rank of faculty positions will match with the candidate qualifications. Applicants with excellent credentials in cutting edge condensed matter research fields of electronic, optical, spintronics, quantum transport, nanostructured, and energy materials, as well as spectroscopies and microscopies, in both basic and applied aspects, will be considered.

Applicants should send resume, publication list, research plans and three letters of recommendation to:

Director, Prof. Li-Chyong Chen
Center for Condensed Matter Sciences
National Taiwan University
Taipei 106, Taiwan
Center Assistant: Wei-Lin Chou
Email: cwli1828@ntu.edu.tw
Phone: (02) 3366-5201
Fax: (02) 2365-5404

Closing date for applications is **December 15, 2013**.



Faculty Positions Multifunctional Materials Arizona State University

The Ira A. Fulton Schools of Engineering at Arizona State University seek applicants for tenure-track/tenured faculty positions in multifunctional materials synthesis, processing, and manufacturing to grow our efforts in the important thrust areas of Energy, Health, Security, and Sustainability. Areas of application interest include, but are not limited to, synthesis and processing of materials such as metals, polymers, semiconductors, ceramics, and hybrids. A wide spectrum of next generation manufacturing approaches are of interest including printing (transfer printing, 3D printing, self-aligned nano-imprinting) and additive processes, as are system design and automation of the manufacturing approaches themselves. The originality and promise of each candidate's work are higher priorities than the specific area of research.

We seek applicants who will contribute to our programs and will leverage investments by the University in promoting interdisciplinary teaching and research. These investments include, among others, the Flexible Display Center (<https://flexdisplay.asu.edu/>), the Security and Defense Systems Initiative (<http://sdsi.asu.edu>), Lightworks (<http://asulightworks.com>), and the Biodesign Institute (<http://biodesign.asu.edu>). The current openings are intended to broaden our expertise and expand collaborations.

The successful candidates will hold an earned PhD degree, or equivalent, in Mechanical Engineering, Materials Science and Engineering, Chemical Engineering, or a closely related field. Required qualifications also include demonstrated evidence of research capability and commitment to teaching excellence as appropriate to the candidate's rank. Desired qualifications include a commitment to trans-disciplinary teaming.

Faculty members are expected to develop an internationally recognized and externally funded research program, develop and teach graduate and undergraduate courses, advise and mentor graduate and undergraduate students, and undertake service activities.

Appointments will be at the assistant, associate, or full professor rank commensurate with the candidate's experience and accomplishments, beginning August 2014. Although the faculty appointment may be in any of the Fulton Schools of Engineering, the Mechanical Engineering, Materials Science and Engineering, and Chemical Engineering programs are currently among the most involved in the interest areas of the search.

Review of applications will begin **December 1, 2013**; if not filled, reviews will occur on the 1st and 15th of the month thereafter until the search is closed. To apply, please submit as a single PDF file a cover letter, current CV, statements describing research and teaching interests, and contact information for three references to multifunctional.materials.faculty@asu.edu.

For more information or questions about this position, please contact the search committee chair Prof. Hanqing Jiang via email at hanqing.jiang@asu.edu.

Arizona State University is an equal opportunity/affirmative action employer. Women and minorities are encouraged to apply. See ASU's complete non-discrimination statement at <https://www.asu.edu/titleIX/>.



FACULTY POSITION Department of Chemical Engineering and Materials Science University of Minnesota

The Department of Chemical Engineering and Materials Science at the University of Minnesota (www.cems.umn.edu) seeks to fill a faculty position at the Assistant (tenure-track), Associate, or Full Professor level, commensurate with experience. Outstanding candidates with a PhD degree in any area related to chemical engineering and materials science will be considered. Candidates should have a distinguished academic and research record and a commitment to teaching in a highly interdisciplinary department.

Applications, consisting of a CV (including a list of publications), a research plan, a teaching plan, and a list of three references with contact information (including email addresses), should be submitted on-line at <https://employment.umn.edu>. Search for **requisition number 186204**. Review of the applications will begin immediately and continue until the position is filled. The successful candidate will be in place as early as Fall 2014.

The University of Minnesota is an equal opportunity educator and employer.

BINGHAMTON
UNIVERSITY
STATE UNIVERSITY OF NEW YORK

FACULTY POSITION Department of Mechanical Engineering

The Department of Mechanical Engineering at Binghamton University (one of the SUNY University Centers) in Binghamton, NY, invites applications for two tenure-track faculty positions for fall 2014. One position is an affiliated position for Smart Energy, which is one of five Transdisciplinary Areas of Excellence (<http://www.binghamton.edu/tae/>). The desired expertise for the (Energy) position is in the area of multi-scale, multi-physics computation applied to energy systems (including the interface of energy systems and materials).

The desired area of the second position (Mechanics) is experimental and/or computational mechanics of materials (including biomechanics and biomaterials). The potential for synergistic research interaction with other members of the Department is of particular importance (<http://www2.binghamton.edu/me/research/>).

The successful applicant for each position will be expected to develop an externally funded research program and have a commitment to excellence in teaching at both the undergraduate and graduate level. Applicants should submit a detailed curriculum vitae (including publication list), statement of teaching and research interests, and a list of at least four references. Screening will begin January 2014. Apply for the appropriate position at <http://binghamton.interviewexchange.com/>.

Binghamton University and the State University of New York are Equal Opportunity/Affirmative Action Employers



M | MICHIGAN ENGINEERING
UNIVERSITY OF MICHIGAN

FACULTY POSITION | Materials Science and Engineering

The Department of Materials Science and Engineering (MSE), College of Engineering, University of Michigan (www.mse.engin.umich.edu), invites outstanding applicants for a tenure-track faculty position in the area of computational materials science and engineering with an emphasis on metallic materials. Emphasis will be placed on applicants with a record of research accomplishment in one or more of the following areas: dislocation dynamics, manufacturing process simulation, density functional theory, statistical mechanics, models for microstructural evolution, micro-mechanical modeling of mechanical behavior, and failure/degradation processes (e.g., corrosion, fatigue, etc.). We seek individuals who have demonstrated strong interest and capability in both science and engineering, who would become strong participants in multi-disciplinary, cross departmental teams and who would work equally well with researchers in industry and academia.

The applicant must hold a PhD degree in MSE or a related field, and should be qualified and willing to teach undergraduate and graduate courses within the field. We seek candidates who will provide inspiration and leadership in research, contribute to the academic mission of the institution, and participate in new UM initiatives in Integrated Computational Materials Engineering and manufacturing of structural metals. We are especially interested in candidates who contribute, through their research, teaching, and service, to the diversity and excellence of the academic community. UM is responsive to needs of dual career families, and an affirmative action, equal opportunity employer.

Candidates should submit a cover letter, resume, research and teaching plans, publication list, and the names of four references to our web site at <http://www.mse.engin.umich.edu/facultysearch/cmse>. Review of applications will begin **December 1**. Applications received after that date will be considered until the position is filled.

Contact information:

E-mail: cmse-search@umich.edu
Computational Materials Science and Engineering (CMSE) Faculty Search Chair
Department of Materials Science and Engineering
The University of Michigan
2300 Hayward Street, Ann Arbor, MI 48109-2136



WISCONSIN
UNIVERSITY OF WISCONSIN-MADISON

FACULTY POSITIONS
Department of Chemical & Biological Engineering

The Department of Chemical & Biological Engineering, University of Wisconsin-Madison invites applications for two tenure-track/tenured faculty positions at the assistant, associate, or full professor level. Candidates with truly outstanding accomplishments in any area of research of importance to chemical and biological engineering will be considered for either position, with preference given to the following fields:

- Inorganic materials synthesis and state-of-the-art characterization (PVL 77711)
- Statistical mechanics, atomistic simulations, and thermodynamics (PVL 77712)

For more information, please visit ohr.wisc.edu and search by PVL number. Apply online at facsearch.cbe.wisc.edu. Applications received by **December 31, 2013** will receive full consideration.

Women and candidates from groups traditionally under-represented in engineering are strongly encouraged to apply.



USC University of Southern California

DEPARTMENT CHAIR

**Department of Aerospace and Mechanical Engineering
University of Southern California**

The Department of Aerospace and Mechanical Engineering at the University of Southern California is seeking applications and nominations for the position of Department Chair. The candidate must have an outstanding record of scholarly and technical achievements, a strong commitment to engineering education, effective management and interpersonal skills, and must be eligible for appointment at the full professor level. Exceptionally strong candidates will also be considered for appointment to an endowed professorship. A PhD degree in aerospace or mechanical engineering or a related field is required. Applications should be received preferably by **December 2, 2013**. Information about the department can be found at <http://ame-www.usc.edu>.

Interested candidates should prepare an application package consisting of their personal contact information; a curriculum vitae; a cover letter describing their technical qualifications, thoughts on leadership, and their vision of the field in the future; and contact information for at least four professional references. All material in the application package is to be submitted electronically at <http://ame-www.usc.edu/facultypositions/>.

Inquiries should be directed to the Search Committee Chair, Prof. Lucio Soibelman at soibelman@usc.edu.

USC is an equal-opportunity/affirmative action employer. Women and underrepresented minorities are especially encouraged to apply.



Sandia National Laboratories

**R&D Materials Science Staff Member
Atomic Layer Deposition (ALD)**

Sandia National Laboratories is searching for an **R&D Materials Science Staff member** with expertise in Atomic Layer Deposition (ALD) to join the Electronic, Optical and Nanomaterials Department located in our **Albuquerque, NM** facility. This is a regular, full-time opportunity that will require the selected candidate to obtain and maintain a DOE-granted "Q-level" security clearance, which requires U.S. Citizenship. Security clearance is not required to start.

Required • Bachelor's degree in relevant discipline plus 5 or more years of experience; or a Master's degree in relevant discipline plus 2 or more years of experience; or a Doctorate in relevant discipline; or equivalent combination of education and experience; • Extensive knowledge of ALD reactor theory and operation, expertise in vacuum science, design and construction of ALD reactors, experience with thin film analysis, and familiarity with quartz crystal microbalance techniques.; • A demonstrated ALD publication record.

Desired • Successful applicants will be highly motivated, independent researchers familiar with current ALD literature; • Experience in such areas as surface science, surface chemistry, UHV techniques, LabVIEW code, data analysis, ellipsometry, and electrical characterization; • Strong publication and presentation record; • Ability to work closely with team members to creatively solve deposition-related research obstacles, and to learn multiple ALD material depositions and techniques

To learn more about this position and to apply online, please visit our Careers page at <http://www.sandia.gov/careers/search-openings.html> and reference Job Opening ID Number: **644572**.

U.S. Citizenship Normally Required.
Equal Opportunity Employer. M/F/D/V.

Operated by

LOCKHEED MARTIN



STRATEGIC FACULTY RECRUITMENT IN ENERGY & MATERIALS

Florida State University is continuing its **major interdisciplinary initiative in the areas of Energy & Materials**. During the 2013-14 academic year the University will be recruiting as many as nine tenure-track/tenured faculty members to supplement the three faculty hired last year in these areas. This search is open with respect to rank and academic department. Successful candidates are expected to have a synergistic impact on existing research programs in the University's departments and interdisciplinary centers as well as develop new areas. Sustained pursuit and growth of collaborative, externally-funded research programs is an explicit goal.

We invite applications from researchers active in the broadly-defined area of materials science and materials engineering with an emphasis on, but not restricted to, materials for energy production, conversion, storage, and utilization. Target research areas in this search encompass theory, computation, synthesis including molecular, macromolecular and inorganic, thin films and crystals, biomaterials, fundamental characterization, materials measurement, device construction, and proof of concept testing and prototyping. Successful candidates will be offered highly competitive salaries and start-up packages, state-of-the-art research space, and access to world-class instrumentation, computing, and facilities in academic and interdisciplinary units.

Related strengths at Florida State University include programs in Biological Science, Chemistry & Biochemistry, Physics, and Scientific Computing in the College of Arts & Sciences, and in Chemical & Biomedical, Electrical & Computer, Industrial & Manufacturing, and Mechanical Engineering in the College of Engineering. Complementing these programs are interactive centers including the National High Magnetic Field Laboratory, the Applied Superconductivity Center, the High Performance Materials Institute, the Aero-Propulsion, Mechatronics & Energy Center, and the Center for Advanced Power Systems. Linking these colleges and centers is a new PhD program in Materials Science & Engineering complementing robust department-based doctoral programs in materials and related areas.

Florida State University is classified as a very high research activity, doctorate-granting institution with a student population approaching 42,000. In recent years, the University has made considerable investments in research infrastructure in the sciences and engineering disciplines. The University is located in Tallahassee, the capital of Florida, where residents have access to a broad range of cultural amenities afforded by the presence of three institutions of higher learning. The region boasts an abundance of springs, lakes, and rivers as well as pristine beaches on the Gulf of Mexico.

Applicants are asked to provide a **single document** in pdf format containing a letter of application including the names and contact information of three professional references, curriculum vitae, and a two-page narrative describing their research interests that should include a clear statement as to how the candidate would complement this inter-college effort at Florida State University. Applications must be sent electronically to materials2013.search@fsu.edu. Review of applications will begin on **November 1, 2013**. Additional information about the related programs at FSU and this faculty search can be obtained at http://www.research.fsu.edu/materials_search/.

Florida State University is committed to the diversity of its faculty, staff, and students, and to sustaining a work and learning environment that is inclusive. Women, minorities, and people with disabilities are strongly encouraged to apply. FSU is an Equal Opportunity/Access/Affirmative Action Employer.

FACULTY POSITIONS

Mechanical Engineering

The Department of Mechanical Engineering at the Massachusetts Institute of Technology seeks outstanding candidates for three tenure-track faculty positions in the following fields to begin July 1, 2014 or thereafter:

- Mechanics of Solids and Structures
- Thermal Sciences and Engineering
- General Search in Mechanical Engineering

A detailed description for each position is provided at <http://search-meche.mit.edu>. Applicants should hold an earned PhD degree in mechanical engineering or a relevant field by the start of employment. Faculty duties include teaching at the graduate and undergraduate levels, research, and supervision of student research.

We seek candidates who will provide inspiration and leadership in research and actively contribute to core mechanical engineering undergraduate and graduate level teaching. New faculty hires are expected to have a research focus in one of the disciplinary fields listed above. Applicants must have demonstrated: (1) outstanding research strength; (2) a strong disciplinary background; (3) strong experimental and/or theoretical skills; and (4) the potential to work across disciplinary boundaries. Appointment would be at the assistant or untenured associate professor level. In exceptional cases, a senior faculty appointment may be possible.

Applicants should send a curriculum vita, a research statement, a teaching statement, and copies of not more than three publications (combined into a single PDF file). They should also arrange for four individuals to submit letters of recommendation on their behalf. This information must be entered electronically at the following site: <http://search-meche.mit.edu>. Review of applications will begin on December 2, 2013, however full consideration will be given to applications submitted by **January 3, 2014**.

MIT is an equal-opportunity/affirmative action employer. Women and underrepresented minorities are especially encouraged to apply.





Senior Positions Available

NINGBO INSTITUTE OF MATERIAL TECHNOLOGY AND ENGINEERING (NIMTE) • CHINESE ACADEMY OF SCIENCES (CAS)

Ningbo Institute of Material Technology and Engineering (NIMTE) is located in Ningbo, a prosperous port city in Zhejiang Province, China that enjoys both a rich cultural heritage and highly developed economy. NIMTE is the first institute of the Chinese Academy of Sciences (CAS) in Zhejiang Province. NIMTE was founded in 2004 with the core value to "Facilitate the application of scientific research achievements, and deliver innovative solutions for industry and society," and with the vision to become a unique world-class research institute in materials science, technology, and engineering.

NIMTE is mainly engaged in the research on magnetic materials, polymer and composite materials, functional materials and nano-devices, surface engineering (focusing on marine materials and related technology), and new energy materials. In March 2009, NIMTE launched the construction phase 2, in which NIMTE will be upgraded to the Ningbo Industrial Technology Research Institutes (NITRI), consisting of three subsidiary institutes named the Institute of Materials Technology, the Institute of Advanced Manufacturing, and the Institute of New Energy Technology respectively.

NIMTE owns a public technical service platform with facilities valued at 250 million RMB. At present, NIMTE has 850 staff, including one academician and about 160 professors. NIMTE has undertaken more than 900 research projects with a total grant of 1100 million RMB. In the past few years, NIMTE has filed 924 patents and published over 1200 scientific papers and proceedings. NIMTE focuses on the development of new materials, new energy, and advanced manufacturing techniques. The research information can be found at <http://www.nimte.ac.cn/>.

NIMTE invites outstanding applications in emerging fields for senior positions at all ranks, including the National "Full-time Qianren" candidate, the "Youth Qianren Talents," the "Hundred Talents Program" of CAS, the "Qianren" of Zhejiang, and the Flagship Leader, Team Leader, and Young Leader of NIMTE. Appointments can be at the Chief Professor/Engineer, full, or associate professor rank commensurate with the candidate's experience and accomplishments.

NIMTE offers generous and competitive start-up packages, including startup funds of 0.5-10 million RMB, house purchasing privilege and subsidies under the Talent Recruitment Programs, additional bonuses based on individual performance, and effective profit distribution.

Applications and nominations enclosing an updated CV should be sent to:

Dr. Ruili Zhang, Department of Human Resources
Ningbo Institute of Material Technology and Engineering
519 Zhuangshi Road, Zhenghai, Ningbo
Zhejiang, P. R. China 315201
Tel: (86) 574-87911123
E-mail: rlzhang@nimte.ac.cn

Professor Cui Ping, Director of NIMTE, will be attending the 2013 MRS Fall Meeting in Boston to personally interview outstanding candidates. NIMTE will also host a recruiting reception at the MRS Fall Meeting on Tuesday, December 3, at 6:30 pm. Please stop by the NIMTE recruitment booth in the Career Center to get more information about related events.



Assistant Professor
Materials Department
University of California, Santa Barbara


The Materials Department in the College of Engineering at the University of California, Santa Barbara is seeking applications for an Assistant Professor position (tenure-track) in Electronic and Photonic Materials.

Candidates should demonstrate the potential to build up a cutting-edge, experimental research program in the areas of development and materials physics of electronic and/or photonic materials. We particularly encourage applications from candidates with expertise in one of the following areas: materials for energy efficiency; transport physics; novel electronic and photonic materials; photodetectors and sources. Candidates should also embrace UCSB's culture of collaboration and multi-disciplinary work.

Applications consisting of a résumé, brief statements of teaching philosophy and research interests (2-page-limit each), and the names and addresses of at least three references, should be submitted online at <https://recruit.ap.ucsb.edu/apply/JPF00253>. Please apply by **December 27, 2013** for primary consideration; however, the position will remain open until filled.

The Materials Department is especially interested in candidates who can contribute to the diversity and excellence of the academic community through research, teaching, and service.

EO/AA Employer



Tenured/Tenure-Track Faculty Position

Department of Electrical and Systems Engineering

The Department of Electrical and Systems Engineering of the School of Engineering and Applied Science at the University of Pennsylvania invites applications for tenured and tenure-track faculty positions at all levels. Candidates must hold a PhD degree in Electrical Engineering, Systems Engineering, or related area. The department seeks individuals with exceptional promise for, or proven record of, research achievement, who will take a position of international leadership in defining their field of study, and excel in undergraduate and graduate education. Leadership in cross-disciplinary and multi-disciplinary collaborations is of particular interest. We are interested in candidates in all areas that enhance our research strengths in:

- Nanodevices and nanosystems** (nanophotonics, nanoelectronics, integrated devices and systems at nanoscale),
- Circuits and computer engineering** (analog and digital circuits, emerging circuit design, computer engineering, embedded systems), and
- Information and decision systems** (communications, control, signal processing, network science, markets, and social systems).

Prospective candidates in all areas are strongly encouraged to address large scale societal problems in energy, transportation, health, economic and financial networks, critical infrastructure, and national security. Diversity candidates are strongly encouraged to apply. Interested persons should submit an online application at <http://facultysearches.provost.upenn.edu/postings/40> including curriculum vitae, statement of research and teaching interests, and the names of at least four references. Review of applications will begin on **December 1, 2013**.

The University of Pennsylvania is an Equal Opportunity Employer. Minorities/Women/Individuals with Disabilities/Veterans are encouraged to apply.



ÉCOLE POLYTECHNIQUE
FÉDÉRALE DE LAUSANNE

Faculty Position in Multi-scale Manufacturing Technologies at the Ecole polytechnique fédérale de Lausanne (EPFL)

The Institute of Microengineering (IMT) within the School of Engineering at EPFL invites applications for a faculty position at the level of tenured professor or tenure track assistant professor in **multi-scale manufacturing technologies** for its Neuchâtel site. This new position is aimed at reinforcing the leading position of the Swiss microengineering industry by giving it the means to further strengthen its competitiveness by continuous innovation.

Specific areas include, but are not limited to:

- **high-precision additive manufacturing technologies;**
- **multi-scale micro-precision** manufacturing;
- **high throughput** manufacturing;
- manufacturing of **complex 3D** mechanical components;
- **advanced manufacturing processes** compatible with standard materials used for micro-mechanics in watchmaking and other applications.

Experience in successful collaborative research programs with industry is highly desirable. The Neuchâtel site of IMT-EPFL offers a particularly advantageous position for this chair due to its central location in the Jura Arc, which is the home to many of the key watchmaking companies, and to its historically very strong links to the diverse and well-established local high-technology industry.

As a faculty member of the School of Engineering, the successful candidate is expected to initiate an independent, creative research program, participate in undergraduate and graduate teaching and establish strong links with industrial partners. Internationally competitive salaries, start-up resources and benefits are offered.

Applications should include a cover letter with a statement of motivation, curriculum vitae, list of publications and patents, concise statement of research and teaching interests, and the names and addresses of 5 references. Applications must be uploaded in PDF format to the web site: **manufacturing.epfl.ch**

Formal evaluation of candidates will begin on **15 December 2013** and continue until the position is filled.

Enquiries may be addressed to:

Prof. Christian Enz

Search Committee Chair

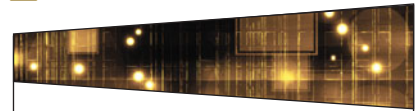
E-mail: **manufacturing-search@epfl.ch**

For additional information on EPFL, please consult the web sites **www.epfl.ch**, **sti.epfl.ch** and **imt.epfl.ch**.

EPFL is committed to increasing the diversity of its faculty, and strongly encourages women to apply.



University of Colorado **Boulder**



FACULTY POSITIONS

Department of Mechanical Engineering

The Department of Mechanical Engineering at the University of Colorado Boulder invites applications for two tenure-track faculty positions: one in Solid Mechanics and one in Bioengineering with an emphasis on biomechanics and/or design.

For the **Solid Mechanics position**, areas of interest include, but are not limited to, micro/nano-scale solid mechanics, mechanics of soft matter, mechanics of advanced technologies, mechanics of materials for energy applications, computational mechanics and multi-scale modeling, mechanics of friction and adhesion, and transport-coupled mechanics.

For the **Bioengineering position**, areas of interest in biomechanics include, but are not limited to, theoretical, experimental, and computational biomechanics and/or mechanobiology. Design areas include, but are not limited to, photoacoustics and ultrasonics, theranostics, biorobotics and/or medical device design.

The position is targeted at the Assistant Professor level, but experienced candidates with outstanding credentials may be considered for Associate or Full Professor. Solid Mechanics candidates must possess a PhD degree in Mechanical Engineering or a closely related field. Bioengineering candidates must possess a PhD degree in Mechanical Engineering, Biomedical Engineering, or a closely related field. We seek candidates with the potential to develop an internationally recognized research program, and who will actively contribute to the core graduate and undergraduate teaching missions of the department.

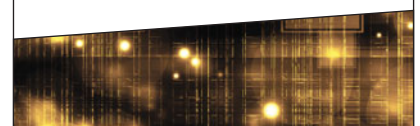
Address your letter of application to Prof. Sehee Lee. Review of applications will begin on November 1, 2013, and will continue until the position is filled. The University of Colorado is committed to diversity and equality in education and employment and sensitive to the needs of dual career couples.

Application materials are accepted electronically at:

- **Solid Mechanics position**
<https://www.jobsatcu.com/postings/72457>
- **Bioengineering position**
<https://www.jobsatcu.com/postings/72458>

The University of Colorado Boulder conducts background checks for all final applicants.

The University of Colorado is an Equal Opportunity/Affirmative Action employer.





FACULTY POSITION | School of Materials Engineering

The School of Materials Engineering at Purdue University invites applications for a tenure-track position of Assistant Professor. Purdue University seeks to attract exceptional candidates with interests and expertise in any Materials Science and Engineering area. Successful candidates must hold a PhD degree in Materials Science and Engineering or a related discipline and demonstrate excellent potential to build an independent research program at the forefront of their field, as well as potential to educate and mentor students. Duties include conducting original research, advising graduate students, teaching undergraduate and graduate level courses, as well as performing service both at the School and University levels.

The School of Materials Engineering at Purdue University has experienced significant growth in the past decade and has a strong faculty core engaged in all areas of Materials Science and Engineering, as well as significant interdisciplinary efforts across campus, with other academic institutions, and industrial partners. The College of Engineering at Purdue is currently undergoing extensive growth, with over one hundred faculty position openings being projected over the next five years. For a detailed description of research activities see www.engineering.purdue.edu/MSE/.

Submit applications online at <https://engineering.purdue.edu/Engr/AboutUS/Employment/Applications>, including curriculum vitae, teaching and research plans (each 3 pages maximum), copies of up to three most relevant publications, and names of three references. For information/questions regarding applications submission, contact Marion Ragland, Faculty Recruitment Coordinator, College of Engineering, Attn: School of Materials Engineering, at ragland@purdue.edu. Address questions regarding the position to Prof. Lia Stanciu, Search Chair at Istan-ciu@purdue.edu. Review of applications begins October 1, 2013 and continues until position is filled. A background check will be required for employment in this position.

Purdue University is an equal opportunity/equal access/affirmative action employer fully committed to achieving a diverse workforce.

RESEARCH POSITION

Scanning Electron/Ion Microscopist

ExxonMobil Research and Engineering Company has an immediate opening for an Electron and/or Ion Microscopist in its Corporate Strategic Research Laboratory, located in Annandale, NJ, 50 miles from New York City in scenic western New Jersey.

The candidate will be responsible for developing strong ExxonMobil research applications using a new He-ion microscope (HIM) coupled with electron microscopes (SEM and/or TEM, STEM), and to build a scientific leadership position in the area. The candidate will lead or participate in research activities encompassing the following areas:

- Experimental and theoretical work to establish the limits of HIM, including scattering physics and image interpretation for applications that include porous source rocks, advanced coatings, catalysts, and bio-specimens.
- Developing and applying techniques in imaging and analysis synergistic with the use of Scanning Electron Microscopy, and/or Transmission Electron Microscopy/Scanning Transmission Electron Microscopy. The candidate will also incorporate sample preparation and analysis with a Focused Ion Beam instrument in the research according to needs of particular applications.

A successful candidate will have a PhD degree in Physics/Chemistry/Materials Sciences/Chemical Engineering/Bio-physics or equivalent, with strong expertise in one or more areas of advanced Scanning Electron and/or Ion Microscopy. A track record of developing new scanning microscopy methods and rigorous research in related areas is essential. Experience in leading research activities is a plus. Familiarity with scattering physics and beam-solid interactions are also critical skill areas for this position.

ExxonMobil offers an excellent working environment, a competitive compensation and benefits package, and a broad range of career opportunities. Please submit your cover letter and resume to our website at www.exxonmobil.com/ex and apply for the **Scanning Electron/Ion Microscopist** position.

ExxonMobil is an Equal Opportunity Employer



FULL PROFESSOR Materials Physics

At the Montanuniversität Leoben (MUL), Austria, a permanent full-time position of a **Full Professor of Materials Physics** with a joint appointment at the Austrian Academy of Sciences (ÖAW) in the position of the **Director of the Erich-Schmid-Institute for Materials Science (ESI)** is announced.

The ESI and the Department of Materials Physics are internationally renowned and established institutions in the field of materials science and engineering research. Both institutions are focused on material science concepts governing the behavior of materials, as well as on an understanding of the physics of new materials and material analytics using physical methods. We are looking for an internationally renowned researcher with outstanding references who is well versed in a modern and promising area of materials physics. Moreover, it is expected that the candidate develops a good collaboration with the existing institutes and departments for materials science at the MUL.

The newly appointed professor is expected to teach topics related to material physics for materials science students, in particular metal physics. The professorship is engaged in the existing bachelor and master studies in materials science where the teaching will mostly involve the above mentioned fields.

Requirements for the appointment are a PhD degree from a national or international university in the fields of materials science, physics, mechanical engineering, chemistry, or like discipline, as well as a Habilitation or equivalent qualification in the field of material physics. Furthermore, didactic and pedagogical aptitude, international experience, leadership potential, and the willingness for interdisciplinary collaboration with other scientists and industrial partners are expected.

Information regarding employment requirements, classification, women's advancement, and further topics is available at www.unileoben.ac.at.

Applications including the usual documents and the five most significant publications must be sent to the Rector of the Montanuniversität Leoben, Franz-Josef-Str. 18, 8700 Leoben, Austria, five-fold on CDs or on USB flash drives before **January 7, 2014**.



The mission of the National Renewable Energy Laboratory (NREL) is to develop renewable energy and energy efficiency technologies and practices, advance related science and engineering and transfer knowledge and innovations to address the nation's energy and environmental goals.

**Center Director - Chemical and Materials Science Center
Requisition #3155BR**

Job/Research Summary

NREL is seeking a Center Director to lead its Chemical and Materials Science Center within the recently formed Materials and Chemical Science and Technology (MCST) Directorate. The Center's basic and applied research portfolio integrates theory, chemistry and materials science for understanding and developing renewable energy science and technologies including solar energy conversion for electricity and fuels, hydrogen storage and fuel cells, energy storage, and energy efficiency.

Knowledge and Experience

Extensive knowledge of renewable energy science and technology. Recognized publications and technical contributions in chemical or materials science along with national reputation. Program strategy, development and execution experience. Record of progressively complex assignments and applications, including Demonstrated success in management or technical leadership experience in a collaborative R&D environment.

EEO Policy / E-Verify

NREL's policy is to provide equal employment opportunities to all qualified persons without regard to race, age, color, sex, religion, national origin, marital or veteran status, or any other legally protected status.

To view the full description and to apply online, visit www.nrel.gov/employment and search for Job 3155.



Come work with us!

Tenure-track Faculty Positions Department of Civil and Environmental Engineering

The Department of Civil and Environmental Engineering (CEE) invites applications for several tenure-track faculty positions to begin September 2014 or thereafter. Appointments will be at the assistant or untenured associate professor level. In special cases, a senior faculty appointment may be possible. We will consider exceptional candidates in all areas. The candidate should have demonstrated excellence in original research. Faculty responsibilities will include teaching at the graduate and undergraduate levels, developing course materials, student advising, conducting original scholarly research, and supervision of student research. Applicants should hold a Ph.D. by the beginning of employment.

Applications are being accepted electronically at

<https://school-of-engineering-faculty-search.mit.edu/cee-search/register.tcl>

Each application must include: a curriculum vitae, the names and addresses of three or more references, a two-page strategic statement of research interests, a one-page statement of teaching interests, and electronic copies of no more than three representative publications.

It is the responsibility of the candidate to arrange for reference letters to be uploaded at <https://school-of-engineering-faculty-search.mit.edu/cee-search/letters>

Applications received by December 1, 2013 will be given priority.

With MIT's strong commitment to diversity in engineering education, research and practice, we especially encourage minorities and women to apply.

Further information about the department can be found at <http://cee.mit.edu/about-mit-cee>

Questions may be directed to Professor Markus J. Buehler, Department Head, Civil and Environmental Engineering, Massachusetts Institute of Technology, Room 1-290, Cambridge, MA 02139, USA, Email: mbuehler@mit.edu.

<http://web.mit.edu>



Department Chair

Department of Chemical Engineering and Materials Science

The Department of Chemical Engineering and Materials Science at the University of California, Davis, is seeking applications and nominations for the position of Department Chair. This is a senior level leadership position intended for candidates with a strong record of research and professional accomplishments, leadership ability, dedication to education, and commitment to faculty governance. The Department covers broad areas in Chemical Engineering and Materials Science and Engineering, both in teaching and research. Candidates able to synergistically build both programs will be given preference.

The successful candidate should also be eligible for appointment at professor level. A PhD degree in engineering or related fields is required. All applications received by **November 30, 2013** will be considered. Application may be made online at <https://recruit.ucdavis.edu/apply/JPF00108>. The position remains open until filled. Additional information on the department can be found at <http://chms.engineering.ucdavis.edu/>.

UC Davis is an affirmative action/equal opportunity employer and is dedicated to recruiting a diverse faculty community. We welcome all qualified applicants to apply, including women, minorities, individuals with disabilities and veterans.



FACULTY POSITIONS | Materials Science and Engineering

The Department of Materials Science and Engineering at the University of Wisconsin-Madison seeks new faculty at the Assistant, Associate, and Full Professor levels. Distinguished candidates with outstanding records of achievement will be considered for the Y. Austin Chang Chair in Materials Science and Engineering.

Successful candidates will develop an internationally recognized research program, demonstrate leadership in attracting extramural funding, dedicate themselves to excellence and innovation in both undergraduate and graduate education, and provide service to the profession. Applications are encouraged in advanced polymeric, ceramic, and metallic materials. Areas of interest include but are not limited to the integration of experiment and computation in materials research and *in situ* materials characterization via electron microscopy and ultrafast techniques.

UW-Madison offers world-class research opportunities, interdisciplinary collaborative research centers, and exceptional facilities for materials characterization, computation, and nanofabrication (<http://go.wisc.edu/q29sb6>). The University is committed to assisting candidates in achieving the highest levels of accomplishment.

Applicants for tenure-track positions must provide plans for teaching and research in materials science and engineering (each two pages maximum), a curriculum vitae, and three letters of reference. Candidates for tenured positions must provide curriculum vitae, teaching and research statements, and contact information for five references. All materials should be sent electronically to mse.applications@engr.wisc.edu. Applications must be received by **December 1, 2013** to ensure consideration.

Unless confidentiality is requested in writing, information regarding applicants must be released upon request. Finalists cannot be guaranteed confidentiality. UW-Madison is an equal opportunity/affirmative action employer.



TENURE-TRACK FACULTY POSITION

Mechanical Engineering

University of Vermont

The College of Engineering and Mathematical Sciences at the University of Vermont invites applications for a tenure-track faculty position in Mechanical Engineering at the Assistant Professor level with emphasis on smart materials and manufacturing processes, and/or robotics. Requirements include a BS degree and a PhD degree in mechanical engineering, or in a closely related discipline. See job description and application guidelines at <http://www.cems.uvm.edu/facsearch/me.php>. For full consideration, applications must be received by **November 15, 2013**.

UVM is an EO/EA/AA employer and conducts background checks on all final candidates.



MATERIALS SCIENCE & ENGINEERING

TEXAS A&M UNIVERSITY

MULTIPLE FACULTY POSITIONS, ALL RANKS

Materials Science and Engineering

The interdisciplinary Department of Materials Science and Engineering at Texas A&M University invites applications for multiple tenured or tenure-track faculty positions. 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 an appropriate, closely related discipline. Specifically targeted are candidates with expertise in one or more of the following areas: (a) **Computational materials science**; (b) **Advanced polymer design, synthesis, and processing science**; (c) **Materials electrochemistry**; and (d) **Materials degradation and corrosion**. Highly qualified candidates in other areas of materials science and engineering will also be considered.

The successful applicants will teach at the undergraduate and graduate levels; 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. Full position ad can be found at msen.tamu.edu with further details.

Applicants should submit a cover letter stating the position they are interested in, curriculum vitae, teaching and research statements, and a list of four references (including postal addresses, phone numbers and email addresses) to the website: www.tamuengineeringjobs.com/applicants/Central?quickFind=54918

Full consideration will be given to applications received by **January 3, 2014**. Applications received after that date may be considered until positions are filled. It is anticipated that appointments will begin Fall 2014.

Texas A&M University is an Equal Opportunity Employer

HARVEY MUDD COLLEGE

FACULTY POSITION • Materials Engineering

Harvey Mudd College invites applications for a tenure-track faculty position in Materials Engineering. As a premier undergraduate general engineering program, the Department of Engineering seeks candidates with experience and knowledge in applications of materials science who can support a broadly based curriculum focused on design, systems engineering, and engineering science. Applicants must have a PhD or equivalent degree in materials engineering or a related field, and a demonstrated commitment to teaching excellence. Industrial or other practical experience in the field is valued but not required. The anticipated appointment is at the assistant professor level.

Teaching duties include the department's required course in materials engineering, participation on teaching teams in the design or systems engineering sequences, supervising sponsored projects in the Engineering Clinic program, and developing courses in the applicant's area of specialty. Candidates should provide evidence of excellence in teaching and an interest in engaging with undergraduate students in research, consulting, or other forms of professional development. Candidates must be committed to teaching and mentoring a diverse student population, particularly groups traditionally underrepresented in engineering; candidates from these groups are encouraged to apply. All candidates are encouraged to explicitly describe the nature of their commitment and experience with underrepresented groups in the cover letter.

Applicants should submit a cover letter, CV, statements of teaching philosophy and research and/or other professional development interests, and names of at least three references to <https://academicjobsonline.org/ajo/jobs/3399>. The search committee will begin reviewing applications on **November 15, 2013**. For further information, contact materialssearch@g.hmc.edu.

Harvey Mudd College is an Equal Opportunity Employer and is committed to the recruitment of candidates traditionally underrepresented on college faculties.



Open Rank Position

Computational Systems Biology
University of Illinois Urbana-Champaign

The Institute for Genomic Biology in partnership with the Colleges of Liberal Arts and Sciences and Engineering at the University of Illinois at Urbana-Champaign invite applications for a full-time tenure-track/tenured faculty position at the Assistant, Associate, or Full Professor level. We seek applicants who will build a strong research program that applies computational methods to problems in systems and/or synthetic biology. Please visit <http://go.illinois.edu/computational> to view the complete position announcement and application instructions. For full consideration, applications must be received by **December 1, 2013**.

Illinois is an AA-EOE (www.inclusivellinois.illinois.edu)