



BOSTON UNIVERSITY

PROFESSOR AND DEPARTMENT CHAIR Department of Mechanical Engineering

The Department of Mechanical Engineering at Boston University is accepting applications for the position of Department Chair and Professor, with tenure, starting ideally by September 1, 2013.

The Department currently has 42 primary faculty members (35 tenured or on tenure track), with many holding secondary appointments in other departments and divisions within the College. Undergraduate and graduate enrollments are approximately 500 and 150 respectively. ME faculty also advise almost 100 graduate students enrolled in programs based in other departments and the divisions. Our BS degree in ME allows for optional departmental concentrations in aerospace engineering and manufacturing engineering and college-wide concentrations in energy technologies, nanotechnology, and technology innovation. At the graduate level, the ME Department offers research and professional Masters' degrees in both mechanical and manufacturing engineering and the PhD in mechanical engineering.

Boston University has made a long-term commitment to the development of the College of Engineering and that commitment is having results. The College is ranked 38th in the nation (USN&WR) and 21st in research funding per faculty. With annual expenditures of over \$8 million, the ME Department's research focus areas include: robotics, control, MEMS and nanotechnology, physical and biomedical acoustics, materials science and engineering, energy and energy systems (including thermofluid sciences), micro-fluidics, biomechanics, advanced manufacturing technologies, and computational mechanics. The portfolio is strengthened by the department's affiliation with the Division of Materials Science and Engineering, the Division of Systems Engineering, the Fraunhofer USA Center for Manufacturing Innovation, the Center for Information and Systems Engineering, and the Photonics Center.

The successful candidate will have an earned doctorate and be internationally recognized for research excellence, leadership and scholarship in mechanical engineering or a related discipline. Additionally, s/he will have a sound vision for the future of the Department and the disciplines it represents, the skill to lead and advance a research-oriented department, the ability to both recruit and mentor exceptional junior faculty, and a passion for educational excellence at the undergraduate and graduate levels. The new Chair will be expected to oversee the hiring of multiple new faculty members over the next five years as one aspect of implementing their vision for the future. The Department is particularly interested in a leader who will further strengthen the graduate program through an environment that fosters interdisciplinary research and industry collaboration. More information on the Department can be found at www.bu.edu/me/.

Applications will be considered until the search committee has identified a suitable list of viable candidates. It is unlikely that applications received after January 15, 2013 will be considered. Applicants should submit an electronic dossier that includes a cover letter, curriculum vitae, and the names and addresses of at least six references to mechairsearch@bu.edu.

*Boston University is an Equal Opportunity
and Affirmative Action employer.*

FACULTY POSITIONS AND POSTDOCTORAL RESEARCH FELLOWS

International Center for Clean Energy Systems and Materials

The newly established Multidisciplinary International Center for Clean Energy Systems and Materials (CCESM) at Beihang University in Beijing is seeking outstanding faculty and research scientists. CCESM focuses on non-fossil fuel clean energy, with emphasis in the following areas:

- Wind Energy (rotor blade design, laboratory testing, life prediction, health monitoring, energy storage, new materials including nano-reinforced materials, adhesive joint durability)
- Materials for clean energy systems (nanocomposites, CNT, novel materials for large scale wind turbine blades, development of bio-based structural foams and composites)
- Solar Energy (solar thermal for industrial applications, combined solar thermal and PV, coating development)
- Hydrogen fuel cells, hydrogen production and storage (improved efficiency of PEM fuels cells, electrolysis, high pressure storage systems, offshore hydrogen storage)
- Micro Heat Engines (solar energy and waste heat applications, engine design, material development, system integration)
- Energy efficient buildings and materials (nano-reinforcement of building materials, low thermal conductivity structural building materials, fire properties and testing of composites used for buildings)
- Clean energy policy and climate change mitigation strategies

Available positions include Youth Thousand Talent Plan Professors, Associate Professors, and research scientists. Successful candidates will be provided with very competitive salary and start-up packages. For additional information regarding qualifications for these positions please visit our website at cleanenergy.buaa.edu.cn.

Interested individuals should send a cover letter and CV to:
Professor John W. Holmes, CCESM Director
jwholmes@buaa.edu.cn
Professor Chia-Chin Cheng, Associate
Director of Research
cccheng@buaa.edu.cn

About Beihang University

Established in Beijing in 1952, Beihang is an open, research-oriented multi-disciplinary university focusing on fundamental cutting edge research and high-level education. Beihang is devoted to creating an environment that nurtures and promotes excellence in science and engineering innovation.



TENURE-TRACK/TENURED FACULTY POSITIONS

Department of Materials Science and Engineering

Search Code: ENG101012MSE

The College of Engineering at The University of Texas at Arlington is building areas of excellence that foster cross-disciplinary, cutting edge research. The Department of Materials Science and Engineering (MSE) is recruiting one or more outstanding faculty in these areas of excellence, including **biomaterials and material/bio interfaces** and/or **advanced materials for nano/micro electronics**. Candidates with research specializations in other related materials areas will also be considered.

An earned doctorate degree in a core engineering or science discipline is required. Candidates must have demonstrated a commitment to quality teaching and scholarly research. Applicants in senior ranks are expected to have an excellent record of research, scholarship, funding, and leadership, and a commitment to teaching and mentoring. A successful candidate is expected to develop sponsored programs that promote discovery, learning, and engagement. Opportunities exist for collaborative research with UT Arlington research centers, programs, and local industry partners. The positions are interdisciplinary and the candidates must demonstrate an ability to work with faculty in science and engineering. Competitive salaries and research startup funds are available for these positions.

UT Arlington is a doctoral, research-extensive university with a current enrollment of over 33,000 students and is part of the University of Texas System. The University is located in Arlington, Texas, in the Dallas/Fort Worth Metroplex, which is home to top clinical and teaching hospitals in the nation. It has the largest concentration of high-tech industry in the State of Texas and second in the nation after Silicon Valley. With more than 4,500 students and 23,000 alumni, the College of Engineering (uta.edu/engineering) is the fourth largest in Texas, and has ties to numerous high technology companies in North Texas. The College offers nine baccalaureate, 13 masters, and nine doctoral degree programs.

The MSE Department (uta.edu/mse) is primarily a graduate program that offers master's and doctorate degrees with excellent research facilities and a campus-wide, state-of-the-art Materials Characterization Center for Materials and Biology (ccmb.uta.edu). It has eight faculty members and more than 70 graduate students. Additional research opportunities exist at the Nanotechnology Research and Education Center (NanoFab, uta.edu/nano) and the UT Arlington Research Institute (UTARI, uta.edu/utari).

Review of applications will begin on November 1, 2012, and continue until **January 15, 2013**.

The successful candidate will be required to complete an Employment Eligibility Verification form and provide documents to verify identity and eligibility to work in the U.S. UT Arlington is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans, and individuals with disabilities are encouraged to apply. The use of tobacco products is prohibited on UT Arlington properties. A criminal background check will be conducted on finalists.

To Apply: www.uta.edu/engineerapply



Center Directorships | Tenure-track Faculty Positions | Postdoctoral Research Fellows

Frontier Institute of Science and Technology (FIST)
Xi'an Jiaotong University (XJTU)

Valid through December 31, 2012

FIST is a large selective investment by XJTU in an effort to establish a world-class, multi-disciplinary research institute. To achieve this goal, FIST is setting up 14 research centers of excellence in Mathematics, Physics, Chemistry, Bio-Science/Life-Science/Basic-medical-Science, and Materials Science, and adopts a new management system similar to that of most U.S. universities. Seven out of the 14 planned centers have been established recently, and FIST is now recruiting the remaining seven Center Directors (either full-time or honorary). In addition, FIST invites applications to fill its multiple, full-time tenure-track faculty positions at all levels (from lab director to group leader), as well as postdoctoral positions. See our Chinese ad at <http://fist.xjtu.edu.cn/zp.php?id=5> for details.

An eligible candidate for the Center Director position should be an internationally renowned scientist and established leader in his/her field, with the ability and will to build his/her center into an internationally recognized center of excellence. Successful candidates will be provided with a sizable start-up package to establish a research center, together with a salary (500k-800k RMB annually for full-time directors) or an honorarium commensurate with the working days (for honorary directors). See our Chinese ad at <http://fist.xjtu.edu.cn/zp.php?id=5> for details.

In addition to the Center Director positions, FIST also invites applications in the above-mentioned areas to fill its full-time, tenure-track faculty positions at all levels, from lab director to group

leader. Applications for postdoctoral positions are also welcome. An eligible faculty candidate should have a track-record for excellence in research and the potential to lead a lab or a group to success. Successful candidates will be provided with a competitive start-up package including an annual salary of 100k-500k RMB, 15-200m² lab space, and enough start-up fund, together with many other benefits. Position level and start-up package will vary with the candidate's qualification. See our Chinese ad at <http://fist.xjtu.edu.cn/zp.php?id=5> for details.

Interested individuals should set up their free ResearcherID webpage on <http://www.researcherid.com/>. Please send your ResearcherID citation information along with a cover letter, CV, and a list of ten representative publications to:

Dr. Xiangli Meng
Frontier Institute of Science and Technology (FIST)
Xi'an Jiaotong University
1 West Building, 99 Yanxiang Road
Yanta District, Xi'an, Shaanxi Province
P.R. China 710054
Tel/Fax: +86 29 83395131
Email: fist@mail.xjtu.edu.cn

XJTU is an AA / EOE employer.



TENURED OR TENURE-TRACK FACULTY POSITION

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 180484. 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 2013.

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

TENURE-TRACK FACULTY POSITIONS

School of Mechanical, Industrial, and Manufacturing Engineering

The School of Mechanical, Industrial, and Manufacturing Engineering at Oregon State University invites applications for multiple tenure-track faculty positions in the broad area of Materials Science with a specific focus on Metallurgy. The appointment will nominally be made at the Assistant Professor level, though appointments at the Associate or Full Professor level will be considered depending on the qualifications of the applicant. Preference will be given to candidates with strong research and teaching experience in the areas of mechanical and physical metallurgy, advanced metal alloys, materials processing, and materials performance.

To review posting and apply, go to <http://oregonstate.edu/jobs>. For full consideration, apply by **January 31, 2013**. Closing date is February 10, 2013. Apply online with a letter of interest; vita; a two-page statement of research interests; a one-page statement of teaching interests; and names and contact information for four references.



PENNSTATE



Assistant Professor

The Department of Materials Science and Engineering at The Pennsylvania State University has openings for two tenure-track faculty positions at the Assistant Professor or untenured Associate Professor level to begin as early as July 1, 2013. The area of expertise is open for both positions, but outstanding candidates with specialization in structural materials and mechanical properties, and electrochemistry/energy materials are especially encouraged to apply.

The Pennsylvania State University has highly ranked and active graduate and undergraduate programs in materials science and engineering with 165 graduate students and 205 undergraduate students. The department has 26 faculty members engaged in internationally recognized research programs on electronic and photonic materials, metals, ceramics, polymers, nanomaterials, biomaterials, energy conversion materials and computational materials science. The Materials Research Institute, NSF-supported Nanofabrication Laboratory and the Materials Characterization Laboratory support state-of-the-art facilities for characterization, synthesis, nanofabrication and computation. These facilities are co-located in the new \$230-million Millennium Science Complex. The Center for Innovative Materials Processing through Direct Digital Deposition (CIMP-3D) houses state-of-the-art additive manufacturing facilities and access to a broad scope of experimental and modeling work. Steidle Building, which houses the Materials Science and Engineering Department, is in the beginning of a \$40-million renovation with completion expected in 2014.

Successful candidates are expected to establish independent research programs. The search committee will evaluate applications as received and will continue to do so until the positions are filled. Applicants should submit 1) a curriculum vitae, 2) a research statement of up to three pages describing research interests and plans, 3) a one-page teaching statement and 4) a list of at least three references with contact information. Applications should be submitted electronically to the Department of Materials Science and Engineering at search@matse.psu.edu. Employment will require successful completion of background check(s) in accordance with University policies.

Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce.

Opportunities as **limitless** as Penn State.
www.psu.jobs



ASSISTANT, ASSOCIATE, OR FULL PROFESSOR

Jacobs School of Engineering, University of California, San Diego

The Department of NanoEngineering (<http://ne.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 levels. 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>).

Successful candidates are expected to carry out forefront research and teach classes related to Materials Engineering in the following technical field: Materials in Energy Technologies. The candidates will be expected to have a PhD degree in the field of Materials Science and Engineering (MSE), or similar related field, to support the materials engineering focus of the department. Exceptional candidates in all other areas will be given serious consideration. A successful candidate will be part of the campus Advanced Energy Research Initiative (<http://www.jacobsschool.ucsd.edu/aeri/>) and may have close ties with the Center for Energy Research within the Jacobs School of Engineering, enhancing cross-campus collaborations, while spearheading a strong independent research program in materials and/or nanotechnologies related to the energy sector.

The research areas of primary interest to the department are: materials in extreme environments, nanotechnologies for solar energy conversion, energy storage materials, nanomaterials for thermoelectrics, nanomaterials for biofuel catalysis, or other similar energy related technologies, including materials used in conventional energy production technologies, coal, oil and gas, and turbine engine applications, among others. Materials research focused in structure-properties relations, particularly mechanical properties and candidates working in computational materials science focus areas will be strongly considered.

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, nationality, and ethnicity, 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 three 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/>. Direct inquiries to Dana Jimenez at dlijimenez@eng.ucsd.edu. Review of applications will begin **January 15, 2013**. 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.



THAYER SCHOOL OF
ENGINEERING
AT DARTMOUTH

TENURE-TRACK FACULTY POSITION IN ENERGY

The Thayer School of Engineering at Dartmouth seeks to hire a faculty member who can contribute to a distinctive research and education program addressing innovative technological responses to societal energy challenges. The successful candidate will have a doctorate in engineering or closely related field, will show promise of leading an externally-funded research program targeting transformational advances in energy conversion and/or utilization, and will be a gifted teacher with motivation and expertise that complements the Thayer School's interdisciplinary approach to engineering education. All fields of engineering will be considered. Application areas of interest include both conversion of primary energy resources and enhanced efficiency of energy utilization, and innovative technological strategies at both component and systemic levels. A hire at the Assistant Professor rank is anticipated, although outstanding candidates at the Associate Professor level will be considered.

Review of applications will begin immediately, with invitations to be extended in February for interview visits in March. A complete CV, statement of research and teaching interests, and contact information for three references should be sent to: Prof. Lee R. Lynd, Energy Search Committee Chair, at Thayer School of Engineering at Dartmouth College, 14 Engineering Drive, Hanover NH 03755 or by email at energy.faculty.search@dartmouth.edu.

Dartmouth is an equal opportunity/affirmative action employer and has a strong commitment to diversity.



BLUE WATERS

Tackling Some of Society's Biggest Scientific Challenges? Think Illinois and the Blue Waters Supercomputer.

The University of Illinois at Urbana-Champaign's National Center for Supercomputing Applications is launching Blue Waters, one of the world's most powerful supercomputers with a peak performance of more than 11.5 petaflops. Building on more than a half-century of high-performance computing leadership at Illinois, Blue Waters is supported by the National Science Foundation.

Scientists around the country will use Blue Waters to tackle some of society's biggest challenges—understanding the building blocks of the universe, predictive geophysics, fundamentals of combustion, energy conversion and distribution, nanotechnology for electronics and medical devices, biomedical

imaging and biophysical modeling, and the discovery and design of materials.

Part of Blue Waters could be yours. The University of Illinois has openings for several Blue Waters Professors, available to prospective faculty at any rank, who will receive substantial allocations on the supercomputer and expedited access to the system.

As part of the Visioning Future Excellence at Illinois initiative, Blue Waters faculty appointments will be made to individual departments within the College of Engineering.

For details on how to apply, go to: engineering.illinois.edu/bluewater

Illinois is an Affirmative Action/Equal Opportunity Employer and welcomes individuals with diverse backgrounds, experiences, and ideas who embrace and value diversity and inclusivity. (www.inclusivellinois.illinois.edu)



Chair, Department of Materials Science and Engineering

UNIVERSITY OF MICHIGAN, ANN ARBOR

The Department of Materials Science and Engineering in the College of Engineering of the University of Michigan invites applications for a tenured full professor position with the administrative responsibility of the Department Chair. The Chair will provide leadership for the department and make sustained contributions to instructional and research programs of the department. The department has 25 tenured and tenure-track faculty members, 3 research professors, 15 joint-appointed faculty, 145 undergraduate students, and 138 graduate students, with active research programs in experimental and computational aspects in hard and soft materials involved in most structural, functional, electronic, and biomedical technology.

Please submit applications including a CV, vision statement for the department, and list of at least five references to: **Professor John W. Halloran, Chair Search Advisory Committee, Department of Materials Science and Engineering, University of Michigan, 2300 Hayward Street, Ann Arbor, MI 48109-2136, msearch2012@umich.edu**. For full consideration, applications should be received by **December 15, 2012**. We hope to identify successful candidates for this position during winter 2013.

The University of Michigan is a non-discriminatory, affirmative-action employer. The College is especially interested in candidates who can contribute, through their research, teaching, and/or service, to the diversity and excellence of the academic community.



UNIVERSITY of MICHIGAN ■ COLLEGE of ENGINEERING

FACULTY POSITIONS

Mechanical Engineering

The Department of Mechanical Engineering at the Massachusetts Institute of Technology seeks outstanding candidates for tenure-track faculty positions in the following fields to begin July 1, 2013 or thereafter:

- Bioengineering
- Thermal Sciences and Engineering
- Instrumentation and Robotics

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. 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>. Full consideration will be given to applications submitted by **January 7, 2013**.

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



Massachusetts Institute of Technology



Why not change the world?

Endowed Professorships in Tissue Engineering and Regenerative Medicine

Rensselaer Polytechnic Institute in Troy, NY is offering up to four endowed positions for exceptional faculty in a broad range of fields as part of the institute's Tissue Engineering and Regenerative Medicine (TERM) Constellation within the Center for Biotechnology and Interdisciplinary Studies (CBIS). Through this recruitment, we seek to build a Constellation of distinguished chaired professors in the School of Engineering and School of Science who will enhance our existing strength in TERM. Under the auspices of CBIS, TERM Constellation professors will work collaboratively with other Constellations and distinguished faculty in Biocatalysis and Metabolic Engineering, Biocomputation and Bioinformatics, and Integrative Systems Biology.

Candidates for constellation faculty must demonstrate that they have outstanding academic credentials and a well-funded and internationally recognized research program that augments our core strengths in musculoskeletal, neural, and vascular engineering and science, biomolecular science and engineering, the materials-biology interface, and multiscale modeling and imaging. Individuals are required to possess a comprehensive vision for regenerative medicine and tissue engineering as well as the multidisciplinary skills in stem cells, biomechanics, biomaterials, and bioimaging. Applicants must have an earned doctorate degree, or foreign degree equivalent, in engineering or science and be eligible for a tenured faculty position at the Associate or Full Professor level in one of the academic departments in the School of Engineering or School of Science at Rensselaer Polytechnic Institute. Salary, benefits and start-up packages are competitive, and will be commensurate with experience.

Rensselaer offers world-class research facilities and an atmosphere promoting interdisciplinary collaboration. The 218,000 square foot Center for Biotechnology and Interdisciplinary Studies offers staff-supported rodent research barrier facilities, complete with MRI imaging, nano-biotechnology, NMR, cutting edge imaging and visualization, proteomics, and scientific computing and visualization all with in-house Ph.D. core directors. The Center of Computational Nanotechnology Innovation provides access to one of the fastest university-based supercomputers in the world, supporting research across the Center for Multiscale Science and Engineering, Rensselaer Center for Nanotechnology, and Center for Modeling, Simulation and Imaging in Medicine. A new multimillion dollar nanoscale materials characterization core, dedicated to determination of structure, chemistry, and properties at the nanoscale is currently under development. Rensselaer has long-standing collaborative relationships with many other leading universities, hospitals and medical centers in the Albany, Boston, Connecticut, New York, and Rochester areas.

Applicants must supply their current CV and a statement of research vision as a single pdf sent electronically to TERM@rpi.edu. For additional information, please contact: Professors Susan Gilbert and Deepak Vashishth, Email: sgilbert@rpi.edu | Phone: (518) 276-4415 or Email: vashid@rpi.edu | Phone: (518) 276-6548, Rensselaer Polytechnic Institute - Center for Biotechnology and Interdisciplinary Studies, 110 8th Street, Troy, New York 12180-3590, Website: <http://biotech.rpi.edu>.

Application review is ongoing and applications will be accepted until position is filled.



Rensselaer

*We welcome candidates who will bring diverse intellectual, geographical, gender and ethnic perspectives to Rensselaer's work and campus communities.
Rensselaer Polytechnic Institute is an Affirmative Action/Equal Opportunity Employer.*



TENURE-TRACK FACULTY POSITIONS Department of Materials Science and Engineering

The Department of Materials Science and Engineering at the University of Utah invites applications for two tenure-track positions at the Assistant or Associate Professor level, beginning Fall Semester 2013.

We are looking for highly motivated and creative candidates who demonstrate distinction in published research and strong commitment to teaching. Applicants must have an earned doctoral degree in materials science and engineering or in a closely related field. Candidates having computational and/or experimental research experience with an emphasis in energy materials will be highly considered. Applicants with an excellent record in other related areas of materials science and engineering will also be considered. In addition the successful candidates will be expected to teach basic materials science courses (thermodynamics, kinetics, traditional materials processing, and characterization) and the experimental candidates must be able to also teach existing lab courses as well as develop new lab courses for undergraduate students. The successful candidates will also be expected to teach existing graduate courses as well as develop new graduate courses related to their research expertise. Both successful candidates in either computational and/or experimental will be expected to teach basic materials science undergraduate and graduate courses.

Applicants should apply online at <http://utah.peopleadmin.com/postings/19506>. Applicant should include with the on-line application a complete curriculum vitae and a separate two- to three-page statement of research and teaching goals. Candidates for **Assistant Professor position** must have three letters of references sent directly to the department. Candidates for **Associate Professor position** must have achieved national and international recognition for their scholarship, and a track record of consistent extramural funding. The candidate must also include the names, addresses, and e-mail addresses of four references sent directly to the department.

Address for sending letters of reference information:

University of Utah
Dept. of Materials Science and Engineering
122 S. Central Campus Drive, Rm. 304
Salt Lake City, Utah 84112
Attn: Search Committee Secretary

Screening and evaluation of applicants will begin upon receipt of applications and will continue until the position is filled.

The University of Utah values candidates who have experience working in settings with students from diverse backgrounds and possess demonstrated commitment to improving access to higher education for historically underrepresented students.

The University of Utah is an Equal Opportunity/Affirmative Action employer and education. Minorities, women, and persons with disabilities are strongly encouraged to apply. Veteran's preference. Reasonable accommodations provided. For additional information, access www.regulations.utah.edu/humanResources/5-106.html



TENURE-TRACK FACULTY POSITION

Materials Science and Engineering

The Department of Mechanical Engineering & Materials Science at Washington University in St. Louis invites applications for a tenure-track faculty position in the broad field of Materials Science and Engineering. The area of expertise within this field is open, but outstanding candidates specializing in advanced materials characterization techniques or computational materials science are especially encouraged to apply.

Successful applicants must have an established record of excellence in their area of specialization and be qualified to teach materials science and engineering courses at both the undergraduate and graduate level. The current search is focused primarily at identifying candidates at the Assistant Professor level, but appointment at more senior levels will be considered for a candidate with a distinguished record of achievement in research and teaching. Washington University is particularly interested in considering applications from members of groups underrepresented in science and engineering.

Materials science has been identified as an area of growth for the School of Engineering & Applied Science (SEAS) at Washington University, with an emphasis on materials for energy harvesting and storage, multifunctional materials, and biomaterials. Recent hires in Mechanical Engineering & Materials Science (MEMS), Energy, Environmental and Chemical Engineering (EECE), and Biomedical Engineering (BME) have contributed to a vibrant materials research community of more than 50 faculty members across the University. The successful applicant will be expected to conduct both independent and collaborative research and play an active role in the Institute of Materials Science and Engineering, a new interdisciplinary, cross-school institute that promotes and coordinates materials research and educational activities at Washington University. The successful applicant is expected to establish a vigorous externally-funded research program, publish in peer-reviewed journals, mentor graduate students, teach at the undergraduate and graduate levels, and participate in department and University service.

Applicants should send a 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 to materials_search@seas.wustl.edu. Applications will be accepted at any time, and will be considered until the position is filled; evaluation will begin by November 15, 2012.

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



SENIOR PROFESSOR

Materials Engineering, Physics, or Chemistry

University of California, Irvine

The Henry Samueli School of Engineering and the School of Physical Sciences at the University of California, Irvine announce an endowed chair faculty search at the senior level in the field of experimental materials science. We are seeking a distinguished scientist and educator who directs a field-leading research program in materials engineering, physics, or chemistry in which transmission electron microscopy plays an integral role. In addition this individual will lead the build-out of our campus-wide materials characterization infrastructure, including the establishment of a state-of-the-art facility for transmission electron microscopy. A record of teaching excellence at the undergraduate and graduate levels is required. The successful candidate will occupy either the Henry Samueli Endowed Chair in the Henry Samueli School of Engineering or the Donald Bren Chair in the School Physical Sciences.

Founded in 1965, the University of California, Irvine is at the forefront of education and research in the science and engineering disciplines that will shape the future of the nation and the world. In 2012, *US News & World Report* ranked UC Irvine 45th among national universities and 13th among public universities in the US. Graduate programs that were ranked in that report included: organic chemistry (11), information systems (11), physical chemistry (12), theoretical chemistry (18), experimental psychology (19), chemistry (26), aerospace engineering (29), computer science (29), physics (29), mechanical engineering (30), civil engineering (31), biological sciences (32), environmental engineering (34), biomedical engineering (40), engineering (41), medicine (41), materials science engineering (45), mathematics (47), and electrical engineering (49). NRC rankings, based upon 2006 data, place Chemistry, Earth System Science, Mathematics, and Physics & Astronomy in the top quartile nationally. An analysis by *Times Higher Education*, released in May 2012, ranked UCI first in the U.S. and fourth in the world among the 100 best universities less than 50 years old. The "100 Under 50" list aims to show institutions poised to become future world leaders.

Applications should contain a cover letter and a complete curriculum vita including publication list, a list of references, and summary of research funding. Completed applications should be sent electronically, via the Web at <https://recruit.ap.uci.edu>. To ensure full consideration, applications and supporting materials should be received by **January 1, 2013**.

The University of California, Irvine is an equal opportunity/affirmative action employer committed to excellence through diversity. UC Irvine has an active ADVANCE Gender Equity Program.