

Physicist Postdoctoral Fellow

Development of in situ TEM for biomolecular materials science

The Molecular Foundry at Lawrence Berkeley National Laboratory invites applications for a postdoctoral researcher to provide expertise in in situ fluid cell imaging by transmission electron microscopy (TEM). You will develop electrochemical means and thermal methods of triggering mineralization reactions in the fluid cell to analyze bio-templated nucleation of inorganic materials on organic films and in protein cages. The project's aim is to implement alternative/creative solutions with the overall programmatic focus on fundamental understanding of inorganic-organic interfaces and biomineralization.

Key Qualifications:

- Recent Ph.D. in Physics, Chemistry or Materials Science
- Expertise in TEM operation and data analysis

Please view the full job posting and apply at <http://jobs.lbl.gov>. Search for #24916.

The Molecular Foundry at Berkeley Lab, one of five Nanoscale Science Research Centers recently established by the U.S. Department of Energy, is a user facility for the design, synthesis and characterization of materials with nanometer dimensions. One of its charter pursuits is to conduct outstanding research across the breadth of nanoscience. <http://foundry.lbl.gov>



Berkeley Lab is a U.S. Department of Energy national laboratory that conducts multidisciplinary research. Eleven Nobel laureates are associated with Berkeley Lab, which is managed by the University of California. AA/EEO <http://www.lbl.gov/>



Worldwide Search for Talent

City University of Hong Kong is a dynamic, fast developing university distinguished by scholarship in research and professional education. As a publicly funded institution, the University is committed to nurturing and developing students' talent and creating applicable knowledge to support social and economic advancement. It is a forward looking university with over 20,000 students and more than 3,000 full-time faculty and staff from diverse international backgrounds and ethnicities. Currently, the University has six Colleges/Schools. Within the next few years, the University aims to recruit **200 more scholars** in various disciplines from all over the world, including **science, engineering, business, social sciences, humanities, law, creative media, energy, environment**, and other strategic growth areas.

Applications and nominations are invited for:

Head of Department of Physics and Materials Science

[Ref. A/619/49]

The Department of Physics and Materials Science has internationally-recognized experimental and theoretical experts embracing advanced fields including, but not limited to, Nanoscience and Nanotechnology, Functional and Biomaterials, Polymers and Composites, Organic and Superhard Materials, Surface Science and Superconductivity, Optoelectronics and Spintronics, Photonics and Metamaterials, Electroluminescence and Organic Light Emitting Diodes, Laser and Solid State Physics, Radiation and Biophysics, Medical Physics and Biointerfaces, which address the world's most pressing challenges with science and technology.

Undergraduate programmes, a taught master programme and research degree programmes leading to PhD awards are offered. Growing industrial links foster graduates with an intellectual and professional outlook who can become independent, creative and critical thinkers.

Qualifications for Appointment

The Head of Department will provide strong academic leadership in the development of teaching and research within the Department, as well as providing effective managerial leadership. Candidates should possess a PhD with strong academic and professional qualifications, substantial relevant experience in tertiary education, and an internationally recognized record of research and scholarship. Candidates should also be able to foster and strengthen external research support from various organizations.

Salary and Conditions of Service

The successful candidate will be offered appointment to an academic rank commensurate with qualifications and experience. The appointee will be offered the headship appointment concurrently for an initial period of three years. Remuneration package will be very attractive, driven by market competitiveness and individual performance. Excellent fringe benefits include gratuity, leave, medical and dental schemes, and relocation assistance (where applicable).

Information and Application

Further information on the post and the University is available at <http://www.cityu.edu.hk>, or from the Human Resources Office, City University of Hong Kong, Tat Chee Avenue, Kowloon, Hong Kong [Fax : (852) 2788 1154 or (852) 3442 0311/email : apsearch@cityu.edu.hk]. Please send the nomination or application with a current curriculum vitae to the Human Resources Office by **7 November 2010**.

Please quote the reference of the post in the application and on the envelope. The University reserves the right to consider late applications and nominations, and not to fill the position. Personal data provided by applicants will be used for recruitment and other employment-related purposes. The University is an equal opportunity employer.

City University of Hong Kong was ranked the 124th among the world's top universities and the 15th in Asia according to the *Times Higher Education/Quacquarelli Symonds* surveys. <http://www.cityu.edu.hk>



UNIVERSITY OF MINNESOTA

FACULTY POSITION Materials Science and Engineering

The Department of Chemical Engineering and Materials Science at the University of Minnesota seeks to fill a faculty position in Materials Science and Engineering at the Assistant (tenure-track), Associate, or Full Professor level. The Department will consider outstanding candidates in any area of **experimental Materials Science**. Applications in hard materials (e.g., electronic, photonic, magnetic, or energy materials), are particularly welcome. Assistant Professor candidates should have a strong academic record (including a PhD degree), outstanding potential to establish an independent research program, and a commitment to teaching in a highly interdisciplinary environment. Associate and Full Professor candidates should have a distinguished academic record, similar commitment to teaching, and several years of teaching and/or research experience.

Applications should be submitted on-line, and consist of a CV (including a list of publications), a research plan, a teaching plan, and a list of three references with contact information. Submit applications at <https://employment.umn.edu/hr>. Search for requisition number 166820. Information on the Department is available at www.cems.umn.edu. Review of the applications will begin in September 2010 and continue until the position is filled. The successful candidate will be in place in 2011.

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



KYUSHU UNIVERSITY

ASSOCIATE PROFESSOR POSITIONS International Research Center for Hydrogen Energy

Kyushu University has four Associate Professor positions available in the International Research Center for Hydrogen Energy, focusing on science and advanced technologies for hydrogen energy to establish a low-carbon society. One Associate Professor position for each of the following research divisions:

- A. Hydrogen Production Research Division (electrolysis, renewable H2 production, etc.)
- B. Hydrogen Storage Research Division (storage materials and systems, etc.)
- C. Hydrogen Utilization Research Division (fuel cell materials, electrochemistry, etc.)
- D. Hydrogen Safety Engineering Division (hydrogen embrittlement, hydrogen tolerant materials, etc.)

QUALIFICATIONS

Candidates must have a PhD degree; have demonstrated ability to conduct advanced and collaborative research in the research division; and be able to obtain public and private research funding. Active researchers with exceptional qualifications are encouraged to apply for these positions, especially those who can also contribute to the Carbon-Neutral Energy Research Institute in Kyushu University supported by the World Premier International Research Center Initiative (WPI).

EMPLOYMENT DURATION

Date of employment: April 1, 2011 (or earlier)
Duration: 3 years (An additional 3-year extension may be possible depending on her/his research contributions and activities.)

APPLICATION DEADLINE

Completed applications must arrive at Kyushu University by 17:00, **November 15, 2010**, (Japan Time). Please use reliable postal services.

For more information about the positions, application materials, and the institution, etc., visit <http://www.mech.kyushu-u.ac.jp/h2/>. The initial evaluations are based on the documents submitted, and then final selection will be conducted by interview in English.

Kyushu University is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.



FACULTY POSITIONS IN COMPLEX MATERIALS
Materials Chemistry and Materials Theory

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

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

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

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

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



**Associate Laboratory Director
Photon Sciences Directorate**
ARGONNE NATIONAL LABORATORY

Argonne National Laboratory seeks applications from highly qualified candidates for the position of Associate Laboratory Director--- Photon Sciences (ALD-PS). Argonne, located about 25 miles southwest of Chicago, is one of the leading multidisciplinary research facilities in the United States and is operated by UChicago Argonne, LLC for the U.S. Department of Energy's Office of Science. The ALD-PS is an executive position, reporting to the laboratory director. The ALD-PS serves as the director of the Advanced Photon Source, the nation's preeminent hard x-ray synchrotron source, and provides overall leadership for its three divisions: X-ray Science, Accelerator Systems, and APS Engineering Support. The annual budget is in excess of \$120M.

The ALD-PS will: (1) provide scientific vision and management for the Advanced Photon Source; (2) be a leading interface with the U.S. Department of Energy and UChicago Argonne LLC for photon science issues; (3) act as a member of Argonne's senior management team in setting strategic goals and in developing collaborations among internal Laboratory and external stakeholders, including scientific, academic and industrial entities across the globe to achieve those goals.

The successful candidate should have an internationally recognized scientific research stature, as well as experience in managing large interdisciplinary science programs in a creative and collaborative environment. Experience in science with hard x-rays, beamlines, and synchrotron sources is desired.

In particular, this is an extremely important and exciting period of renewal for the Advanced Photon Source, since a major upgrade of APS was recently approved and is currently in the conceptual design phase. Information including the project initiation (CD-0) document and the report of the workshop to define the scientific case can be found at www.aps.anl.gov/Upgrade. The two scientific themes of the APS Upgrade are "Mastering Hierarchical Structures through Imaging" and "Real Materials under Real Conditions in Real Time". Desired qualities for candidates thus include experience and vision in these areas of science and in stewardship of major projects.

Argonne offers an excellent compensation and benefits package. For more information and to apply, see job # **316811** at www.anl.gov/jobs. For full consideration, apply promptly.

Argonne National Laboratory is a multi-program laboratory managed by UChicago Argonne, LLC for the U.S. Department of Energy. We are an equal opportunity employer and value diversity in our workforce. For additional information about Argonne, visit us online at www.anl.gov.

Argonne is an equal opportunity employer, and we value diversity in our workplace.

stimulating innovative learning
 skills jobs lifelong remuneration
 scientific technological career
 conditions competence work
 flexible research passion

Europe needs researchers...

The European Commission's Joint Research Centre (JRC) is a reference centre of science and technology for the European Union. Operating in Belgium, Germany, Italy, Spain and the Netherlands, with a headcount of over 2,700, the JRC is currently seeking researchers with the right blend of competence, experience and language skills to work at the cutting edge of scientific and technological developments supporting EU policies.

If you have a sound track record of research in **Chemistry, Biology and Health Sciences, Physics, Structural Mechanics, Quantitative Policy Analysis, Spatial Sciences, Environmental Sciences, Energy Sciences or Communication/Information Technology**, you can make all the difference within the JRC's stimulating multicultural

environment. In return, you can expect a lifetime of different opportunities, a competitive remuneration package, flexible working arrangements and the chance to become involved in some of the most exciting research initiatives in Europe today.

To learn more, visit www.jrc.ec.europa.eu/competitions and as soon as you are ready to apply, fill in your on-line application at www.eu-careers.eu

Registration closes on **4th November 2010**.

References: COM/AD/01/10 – COM/AD/16/10

The JRC promotes equal opportunities and non-discriminatory practices in the workplace.



FACULTY POSITION IN CHEMISTRY

Department of Chemistry

MOLECULAR DESIGN INSTITUTE

The Department of Chemistry and the newly established Molecular Design Institute (MDI) at New York University invites applications for a faculty appointment in supramolecular materials chemistry, preferably with expertise in polymer chemistry, but other areas will be considered. All ranks will be considered, but applications from junior faculty candidates are preferred. The anticipated start date is September 1, 2011, pending budgetary and administrative approval. The appointee will play an active role in the development of the MDI, an initiative within the Department of Chemistry that is part of the continuing expansion of faculty and facilities in the Faculty of Arts and Sciences at New York University. Applicants should have an outstanding record of research and a commitment to teaching.

Applications should include a curriculum vitae, a list of publications, statements of future research and teaching plans, and three reference letters. *Application review will begin October 18, 2010; completed applications received by that date will receive full consideration.* Applications should be sent through our web-based submission system, PeopleAdmin: www.nyuopsearch.com/applicants/Central?quickFind=50608. If you have any questions about this, please send an email to chemistry.search@nyu.edu. NYU encourages applications from women and members of minority groups.



NEW YORK UNIVERSITY

NYU is an Equal Opportunity/Affirmative Action Employer.

CLIFFORD G. SHULL

Fellowship Program

OAK RIDGE NATIONAL LABORATORY
 MANAGED BY UT-BATTELLE FOR THE DEPARTMENT OF ENERGY

The Neutron Scattering Science Division at Oak Ridge National Laboratory (ORNL) invites applications to the Clifford G. Shull Fellowship. Shull, a Nobel laureate, developed neutron diffraction at ORNL. Research at ORNL encompasses the physical, chemical, materials, biological, and medical sciences. With outstanding facilities at SNS and HFIR, ORNL is becoming the world's foremost center for neutron science.

The goal of this fellowship is to attract new scientific talent to ORNL for the development of its neutron science program. We are seeking candidates with exceptional ability who show the promise of outstanding leadership.

Qualifications:

- Ph.D. in a science or engineering field
- No more than 3 years past completion of Ph.D.
- Not currently occupying an ORNL postdoctoral position

For more information and to apply online, visit:
<http://neutrons.ornl.gov/shullfellowship>

10-G01250/gjm

ORNL is an equal opportunity employer and is committed to workforce diversity; women and minorities are strongly encouraged to apply. Applicants need not be U.S. citizens.





FACULTY POSITIONS

Energy Research Center
University of Maryland

The A. James Clark School of Engineering at the University of Maryland is seeking applicants for the University of Maryland Energy Research Center (UMERC) (www.energy.umd.edu). UMERC is a strategic university initiative that brings together faculty across the campus to advance the frontiers of energy science and technology in the Nation's capitol. It includes and collaborates with the DOE Energy Frontier Research Center "Nanostructures for Electrical Energy Storage," the Center for Environmental Energy Engineering, the Center for Multiscale Plasma Dynamics, the Institute for Systems Research, the Center for Integrative Environmental Research, and the Joint Global Change Research Institute. The Clark School seeks both a senior and junior faculty member:

FULL/ASSOCIATE PROFESSOR

This is a senior faculty position with eligibility for the Herbert Rabin Endowed Chair. The candidate should have national prominence for their contributions to energy research and have demonstrated success with large multi-disciplinary proposals. If interested, the candidate would also be considered for the position of Deputy Director of UMERC. The Deputy Director would work with the Director of UMERC to coordinate energy research across campus and lead large multi-disciplinary opportunities. Possible research areas include but are not limited to: photocatalysis, photovoltaics, catalysis (biofuel and fossil); energy efficiency, harvesting, and storage; energy systems and smart grid technology; and the intersection between energy technology and policy. However, this position is open to the best candidate regardless of specific research focus.

ASSISTANT PROFESSOR

This is a tenure-track faculty position within the college. The candidate should have a record of contribution in the energy field commensurate with a junior faculty position. While the area of energy research is open, preference would be given to expertise in electrochemical energy conversion and storage, including research in electrochemical systems, computational materials, materials properties/processing, and electrocatalysis. A 'cluster hire' with the senior faculty position would also be considered.

Appointments for each position will be made in an Academic Department within the College of Engineering that is most commensurate with the interests and expertise of the candidates. Joint appointments will also be considered.

For best consideration, applications should be received by **November 12, 2010**. Please submit letter of interest, full resume including a list of publications, a statement of research and teaching interests, and the names of at least four references, preferably in PDF format by electronic mail to:

Annette Mateus, Coordinator
University of Maryland Energy Research Center (UMERC)
University of Maryland
Rm. 3234, Jeong H. Kim Engineering Building
College Park, Maryland 20742
Phone: 301-405-4799
Fax: 301-314-8514
Email: amateus@umd.edu

The University of Maryland is an equal opportunity, affirmative action employer with a strong commitment to the principle of diversity. Women and minorities are encouraged to apply.



POSTDOCTORAL POSITION

Department of Nuclear Engineering
University of Tennessee–Knoxville

A postdoctoral position is presently available at the Department of Nuclear Engineering of the University of Tennessee–Knoxville (UTK). This position will involve a significant component of research that will be carried out at the nearby Oak Ridge National Laboratory (ORNL).

The applicants must have an earned doctorate in materials science or a closely related field. Candidates are sought with experience in the areas of the synthesis and characterization of glasses or composite materials for optical applications—including radiation detection. Experience is desired in the preparation of glasses, or composite materials, starting with the component powders and extending to the detailed characterization of optical properties. The successful candidate will be responsible for preparing materials in controlled environmental conditions and for developing methods for their synthesis, then reporting these results in journal publications. The ability to perform research and development in a collaborative environment is required, including excellent oral and written communication skills. The initial appointment is for a period of 12 months with the possibility of renewal for up to an additional 12 months.

Interested candidates should send a letter of application, curriculum vitae, and names and addresses of three references to:

Prof. Jason Hayward
Assistant Professor of Nuclear Engineering
210 Pasqua Engineering Bldg.
Knoxville, TN 37996-2300
Telephone: 734-660-2741
Fax: 865-576-8380
Email: jhayward@utk.edu.

Review of applications will begin immediately, continuing until the position is filled.

The University of Tennessee is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA institution in the provision of its education and employment programs and services. All qualified applicants will receive equal consideration for employment without regard to race, color, national origin, religion, sex, pregnancy, marital status, sexual orientation, age, physical or mental disability, or covered veteran status.



HANYANG UNIVERSITY

TENURE-TRACK FACULTY POSITION
 Department of Materials Science and Engineering
 Hanyang University • Seoul, Korea

The Department of Materials Science and Engineering at Hanyang University is seeking highly qualified international candidates for a tenure-track faculty position. Applicants should hold a PhD degree in MS&E or related field with a strong research record. The successful applicant will be expected to provide high-quality lectures in English and establish a vibrant, internationally recognized research program. Salaries are internationally competitive and commensurate with the applicant's qualifications. In addition, housing support is provided for foreign nationals during their initial term. For questions please contact Prof. Will Nichols at nichols@hanyang.ac.kr.

Applications, including curriculum vitae, statement of research interests, teaching philosophy, and contact information for at least three references, should be sent to Prof. DW Shin at dwshin@hanyang.ac.kr. Application review begins **December 6, 2010** and continues until filled.

Hanyang University is located in Seoul, the cosmopolitan capital of South Korea. Hanyang was Korea's first private College of Engineering, becoming an engine of the nation's growth and modernization. Current enrollment is over 36,000 students including 1,500 international students from 28 countries and more than 1,250 full-time faculty. For further information, see our web site at <http://www.hanyang.ac.kr/English>.



FACULTY POSITIONS
 School of Materials Science and Engineering
 Gwangju Institute of Science and Technology (GIST)

The School of Materials Science and Engineering invites applications for faculty positions in all levels starting from February or August 2011. Applications from candidates with experience in semiconductor and optoelectronic materials, nanoelectronic materials, organic materials for optoelectronics, energy related materials, and bio-materials are encouraged, but all areas of materials science and engineering will also be considered. A PhD degree in Materials Science, Chemistry, Physics, Chemical Engineering, or a related interdisciplinary area is required.

The successful candidates must have an outstanding research record and show promise of teaching effectively in English at the graduate level. Information on the GIST and the School of Materials Science and Engineering can be found at <http://www.gist.ac.kr>. There is no deadline for receipt of application materials, which are reviewed twice every year.


In order to apply for a faculty position, please send application forms, including a letter of interest, statement of research plan, CV, and publication list, to GIST by uploading to <http://its.gist.ac.kr/faculty>.

Three letters of recommendation must also be arranged to be sent directly to the dean of school.

Prof. Beong-Ki Cho
 School of Materials Science and Engineering
 Gwangju Institute of Science and Technology
 261 cheomdan-gwagiro, Buk-gu, Gwangju 500-712
 Republic of Korea

Foreigners and women scholars, especially, are welcome to apply for the positions. Korean citizenship is not required.

TENURE-TRACK ASSISTANT PROFESSOR
 Multifunctional Infrastructure Materials



NORTHWESTERN UNIVERSITY

Northwestern University's Department of Materials Science and Engineering (MSE) and Department of Civil and Environmental Engineering (CEE) jointly seek an outstanding individual in the area of multifunctional infrastructure materials for a tenure-track position at the level of assistant professor, although a senior appointment is possible. The successful candidate will be expected to develop independent, internationally-recognized research programs, teach graduate- and undergraduate-level courses, and supervise graduate research. Information on the departments can be found at <http://www.matsci.northwestern.edu> and <http://www.civil.northwestern.edu>.

Applicants should have an earned doctorate in Civil Engineering or Materials Science and Engineering, or in a relevant engineering or science discipline. Application materials should be submitted to the Search Committee Chair, exclusively via the web interface at <http://facsearch.mccormick.northwestern.edu/cem/apply.php?id=24>. Candidates should upload a cover letter, curriculum vitae, statement of teaching interests, statement of research plans, and the names of three references with their contact information. Applications should be received before **December 1, 2010** to receive full consideration. The intended starting date is September 1, 2011.

Northwestern University is an Equal Opportunity/Equal Access/Affirmative Action Employer. Women and underrepresented minorities are encouraged to apply. Hiring is contingent upon eligibility to work in the United States.

NDSU

DIRECTOR : Center for Computationally Assisted Science and Technology
 : North Dakota State University

North Dakota State University seeks a Director for the NDSU Center for Computationally Assisted Science and Technology (CCAST). The position will serve as the administrative and scientific leader of the Center currently undergoing a major build-out of capabilities and resources.

Reporting to the Vice President for Research, Creative Activities, and Technology Transfer, the Director will have the unique opportunity of building a new, innovative, applications-driven research computing center. Major responsibilities of the Director include building capabilities and increasing the competitiveness of CCAST to enhance its value for partnering with the private, government, and university sectors, developing strategies to enable users of computational resources to take advantage of high-performance computing, and providing opportunities for research and increased competitiveness for NDSU faculty and staff. General management functions include system management, marketing and communications, external relations with stakeholders, facility development and operations, and project administration. This position will actively promote CCAST's capabilities in order to develop long term relationships and sustainable productive programs. The Director will lead this effort by creating and implementing a strategy to grow and leverage the capabilities of CCAST.

Application Process: North Dakota State University is being assisted by Brown Schroeder & Associates, Inc., an international executive recruiting firm serving both not-for-profit institutions and the corporate sector. Please send your expressions of interest to sgittins@brownschroeder.com.

NDSU is an EO1. Women and traditionally underrepresented groups are encouraged to apply.



Faculty Position
Department of Mechanical Engineering

The Department of Mechanical Engineering at Boston University invites applications for a tenure-track faculty position in energy-related areas relevant to Mechanical Engineering. Specific areas of interest include:

- Energy from sustainable sources
- Waste heat capture
- Energy storage technologies
- Computational science for energy applications

This position will likely be coupled with one or more of the following: the college-wide undergraduate Energy Technologies and Environmental Engineering concentration, the graduate university-wide Clean Energy and Environmental Sustainability Initiative, and the Energy Materials concentration in the Division of Materials Science and Engineering.

Qualified candidates at all academic ranks will be considered, however, applicants seeking appointment above the rank of assistant professor must have a distinguished record of academic and professional performance and must clearly demonstrate the ability to develop and sustain a program of graduate education in their field as well as a funded research program.

The Department of Mechanical Engineering has strong research programs in acoustics and vibrations; biomechanics; computational science and engineering; dynamics, robotics, systems and controls; thermofluid sciences, energy and sustainability; materials; and MEMS and nanotechnology. The department is further strengthened by its 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. Both the Department and College are working to implement ambitious ten-year plans that envision substantial growth in the coming years.

For additional information and for instructions on how to apply, please go to:
<http://www.bu.edu/me/facultysearch>

Boston University is an equal opportunity, affirmative action organization.



POSTDOCTORAL POSITION

Department of Materials Science and Engineering
University of Illinois at Urbana-Champaign

**BIOLOGICAL AND SOFT MATERIALS
EXPERIMENT & COMPUTATION**

Two open-rank faculty positions, experimental and computational, are announced by the Department of Materials Science and Engineering at the University of Illinois at Urbana-Champaign. We seek exceptional candidates for tenure-track or tenured faculty positions with experimental expertise in fundamental science or engineering of biomaterials, biophysics, or related biological topics, as well as the computational study of soft matter broadly defined to include polymers, biological materials, and complex fluids. Faculty members in the Department are expected to teach undergraduate and graduate courses, and initiate and sustain a vigorous graduate research program. Applicants must provide a curriculum vita that includes their teaching experience and interests, a list of publications, and a synopsis of a proposed program of research. Candidates for tenure-track positions must have three (3) letters of reference sent directly to the department. Candidates for tenured positions must have achieved national and international recognition for their scholarship; they must include the names and contact information of at least three (3) references.

The Department has 23 faculty and more than 300 undergraduate and 160 graduate students, with highly ranked graduate and undergraduate programs. Extensive state-of-the-art experimental and computational facilities are housed on campus in the Frederick Seitz Materials Research Laboratory, the Beckman Institute, and the National Center for Supercomputer Applications.

Applicants must hold an earned doctorate in an appropriate field. Salary and rank will be commensurate with qualifications. The proposed starting date for these positions is as soon as possible after the closing date. To ensure full consideration, applications must be received prior to **December 3, 2010**. Interviews may take place during the application period, but a decision will not be made until after the closing date.

To apply for this position, please create a candidate profile at <http://jobs.illinois.edu> and upload your letter of application and resume by December 3, 2010.

If you do not have online access, please contact the department office for further options:

Department of Materials Science and Engineering
1304 W. Green Street, Urbana, IL 61801
Telephone: 217-333-1440; Fax: 217-333-2736
email: mse@illinois.edu

The University of Illinois is an Equal Opportunity/Affirmative Action Employer. The administration, faculty, and staff embrace diversity and are committed to attracting qualified candidates who also embrace and value diversity and inclusivity.



TENURE-TRACK ASSOCIATE PROFESSORS

Tokyo Institute of Technology (Tokyo Tech) in Japan invites applicants for two Tenure-Track Associate Professor positions in the following research fields.

- **Energy-conversion materials**, including nanotechnology, meta-material, photoelectric conversion, thermoelectric conversion, piezoelectric conversion, electromagnetic conversion, and organic semiconductor
- **Advanced interdisciplinary fields being rooted in mechanical and control engineering**, including but not limited to, environmental issues, energy engineering, security, biomechanics, robots, and advanced materials and processing

We are interested in candidates who are committed to high standards and professionalism in their areas of expertise. The successful candidates will belong to the department offering the positions and carry out research and educational activities as an independent faculty member. In the longer term, they are expected to progress to key positions within Tokyo Tech.

The candidate should have a PhD degree in natural science or engineering and have English-language proficiency. In the case where the applicant received degrees from Tokyo Tech, two or more years of research experience and/or education at other institutions (academic or industry) is additionally required.

To apply for the positions, please visit our website at <http://www.global-edge.titech.ac.jp/tenure-track/> and refer to the application guideline. Deadline date for online entry is **Friday, October 22, 2010**.

Office of Tenure-Track System, Tokyo Institute of Technology
2-12-1 S6-20 Ookayama, Meguro, Tokyo 152-8550, JAPAN
Phone: +81-3-5734-7627
E-mail: tt.apply@jim.titech.ac.jp



FACULTY POSITION NanoScience Technology Center

The NanoScience Technology Center (NSTC) (www.nanoscience.ucf.edu) at the University of Central Florida (UCF) in Orlando invites applications for a tenure-track faculty position in renewable energy research with emphasis on photovoltaic materials, devices, and manufacturing. A suitable candidate must have a PhD degree and is expected to teach in their discipline.

The appointment will be held jointly with NSTC and the Advanced Materials Processing and Analysis Center, 21 faculty (9 NSF CAREER, ONR, DARPA YIA), and over 120 graduate students, PostDocs, and staff. A competitive package is available, and collaboration with researchers in academic departments and other UCF centers such as CREOL and FSEC is encouraged. UCF has over 56,000 students and is ranked third in the IEEE's table of universities' patent portfolios.

Review of candidates will begin **November 1, 2010** until the position is filled. The on-line application at www.jobswithucf.com/applicants/Central?quickFind=75272 requires a CV, research plans, teaching philosophy, and list of three references. For questions please contact HR Coordinator, at jhallam@mail.ucf.edu.

UCF is an Affirmative Action/Equal Opportunity Employer. Minorities and women are encouraged to apply. As an agency of the State of Florida, UCF makes all application materials, including transcripts, and selection procedures available for public review upon request.



TENURE-TRACK FACULTY POSITION Department of Physics

The Department of Physics, of the flagship campus of the University of Arkansas, announces openings for two tenure-track faculty positions, one experimentalist and one theorist, starting in August, 2011. A PhD degree in Physics or related field and postdoctoral experience or equivalent are required. We are searching for outstanding individuals who will enhance the department's research strengths in biophysics, photonics, and condensed matter physics at the nanoscale; establish excellence in teaching at both the undergraduate and graduate levels; supervise students at undergraduate and graduate research; attract external funding; and develop a high-profile research program. Candidates should send an application, including a cover letter, curriculum vitae, description of research interests, teaching interests, and the names and contact information for at least three references to:

Chair of the Search Committee
Department of Physics, PHYS-226
825 W. Dickson Street
1 University of Arkansas
Fayetteville, AR 72701

Evaluation of candidates will begin on **December 15, 2010**, and the search will continue until both positions are filled. All applicants are subject to public disclosure under the Arkansas Freedom of Information Act and persons hired must have proof of legal authority to work in the United States. For additional information, please visit our webpage at www.uark.edu/depts/physics.

The University of Arkansas is an equal opportunity/affirmative action institution. Women and minorities are especially encouraged to apply.

2010 **MRS** FALL MEETING

CAREER CENTER

Meet Your Next Employer ...

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

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

Location & Hours

Hynes Convention Center • Exhibit Hall (Level 2)

Monday, November 29
(Registration only)
1:00 pm – 4:00 pm

Tuesday, November 30
11:00 am – 5:30 pm

Wednesday, December 1
11:00 am – 5:30 pm

Thursday, December 2
10:00 am – 1:30 pm

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



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