FACULTY POSITION

Experimental Condensed Matter/Materials Physics

The Department of Physics in the School of Arts and Sciences announces a tenure-track faculty opening at the assistant professor level in Experimental Condensed Matter/Materials Physics. This hire is designed to enhance activities within the Physics Department and in a new Institute for Materials Science and Engineering, which will be formally commissioned in July 2013. The duties of the position will include, but are not limited to, teaching and advising students, conducting original research and publishing the results, and participating in departmental and university service. A PhD degree in a relevant field is required. Candidates are sought who have highly visible research achievements and who have a strong aptitude for teaching and mentoring students at the undergraduate and graduate levels. The appointment will begin Fall 2013. Information on our department can be found at http://www.physics.wustl.edu.

Applications should consist of the following: cover letter, current resume including publication record, statement of research interests and plans (up to five pages), statement of teaching interests and approach (up to three pages), and names and complete contact information (including email addresses) of three references. Application materials must be submitted electronically by email as a single file in editable (e.g., not password protected) PDF format to **cmmesearch@physics.wustl.edu.** For full consideration, applications should be submitted on or before **November 1, 2012.**

Washington University is an equal opportunity/equal access/affirmative action institution. Women and minorities are encouraged to apply.

Washington University in St. Louis

FACULTY POSITIONS

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:

1. **Nanodevices and nanosystems**—nanophotonics, nanoelectronics, integrated devices, and systems at nanoscale
2. **Circuits and computer engineering**—analog and digital circuits, emerging circuit design, computer engineering, embedded systems
3. **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://www.ese.upenn.edu/faculty-positions** 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, 2012.**

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

Penn Engineering

IST AUSTRIA LOOKS FOR

PROFESSORS AND ASSISTANT PROFESSORS

IST AUSTRIA
Institute of Science and Technology

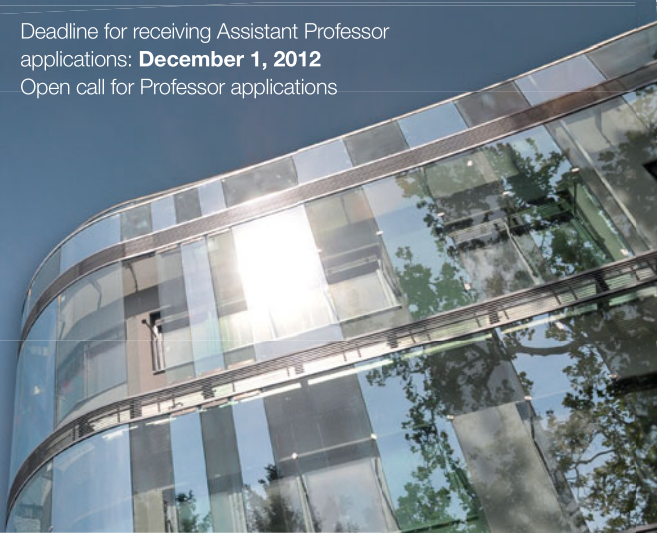
IST Austria (Institute of Science and Technology Austria) invites applications for Professors and Assistant Professors in physics, chemistry, biology, neuroscience, earth science, mathematics, computer science, and interdisciplinary areas.

The Institute, which is located on the outskirts of Vienna, is dedicated to basic research and graduate education in the natural and mathematical sciences. IST Austria is committed to become a world-class research center with 1000 scientists and doctoral students by 2026. The working language at IST Austria is English.
The Institute recruits tenured and tenure-track leaders of independent research groups. The successful candidates will receive a substantial annual research budget but are expected to also apply for external research grants.

IST Austria values diversity and is committed to equality.
Female researchers are encouraged to apply.

To apply online, please consult:
www.ist.ac.at/professor-applications

Deadline for receiving Assistant Professor applications: **December 1, 2012**
Open call for Professor applications



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University of Connecticut

Assistant or Associate Professor

Institute of Materials Science

Applications are invited for (9-month) tenure track, Assistant or Associate Professor full-time faculty appointment as both an experimentalist along with theoretical and/or computational background in dielectrics, especially as related to dielectric and high field phenomena in film and bulk dielectrics, operating within the Institute of Materials Science, IMS. The University of Connecticut stands among the top 20 public institutions in the nation. The Institute of Materials Science has over 100 faculty members from 20 different departments including the UConn Health Center. The Institute operates and maintains extensive state-of-the-art instrumentation including a wide range of laboratories. IMS also supports over 100 graduate students and many undergraduate students operate in the IMS laboratories. New faculty members will be integral participants in the innovative Technology Park initiative which will leverage key research and development advances into commercial products that will benefit high-technology manufacturers and entrepreneurs.

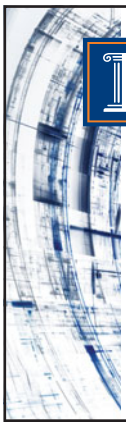
The successful candidate will be expected to obtain external funding to conduct research in dielectrics and materials behavior in high field, and help guide research efforts in their areas of expertise. In addition to research, this individual will be expected to teach appropriate courses at the graduate and undergraduate level, engage in scholarly activities, participate in outreach and service activities, and contribute to the University's distance learning priorities.

Minimum Qualifications: The successful candidate is expected to have a PhD in either Materials Science and Engineering, Physics, or other Engineering or Scientific Disciplines whose research was in dielectrics and materials behavior in high fields.

Preferred Qualifications: Expertise in finite element analysis in the context of electrical and thermal phenomena, linear, nonlinear, and transient, would be an asset, as would some background in high voltage engineering and high voltage apparatus. The candidate must have demonstrated potential for scholarship, the ability to establish an externally supported research program, and excellent teaching skills.

The candidate will have an appointment in the Academic Department consistent with their background, with office and research labs in IMS. The IMS houses faculty and student offices, research laboratories, support shops, and about $20M (replacement value) of shared, state-of-the-art materials science instrumentation. Salary and rank will be determined based on qualifications. The anticipated starting date is January 2013. The successful candidate will inherit an established laboratory which includes a commercial time domain dielectric spectrometer, partial discharge analysis system, shielded room, high voltage sources, impedance analyzers, workstations, etc.

Please submit a cover letter, curriculum vitae, list of references, research plan, and a teaching statement online using the University's Husky Hire applicant system at http://jobs.uconn.edu. Please reference search # 2013128. The preferred submission format is a single PDF file in the order shown. The University of Connecticut is an EEO/AA employer. **(Search # 2013128)**



Faculty Positions

Chemical and Biomolecular Engineering

University of Illinois at Urbana–Champaign

The Department of Chemical and Biomolecular Engineering at the University of Illinois at Urbana–Champaign invites applications for one or more tenure-track/tenured faculty positions at the Assistant, Associate, and Full Professor level in all research areas, including but not limited to biotechnology, medical, computation, systems, materials, transport, energy, and sustainability.

Please visit **http://go.illinois.edu/CHBEfaculty** to view the complete position announcement and application instructions. For full consideration, applications must be received by **December 1, 2012**. (www.inclusiveillinois.illinois.edu)

Illinois is an AA-EOE

FACULTY POSITION

Computational Materials Science

The Department of Mechanical Engineering and Materials Science, the Pratt School of Engineering at Duke University, and the Duke Center for Materials Genomics invite applications for a tenure-track faculty position in the broad area of computational materials science, to begin September 1, 2013 or earlier.

Applicants working in the area of computational materials science—materials design from first-principles—with emphasis on materials with energy, industrial, structural, magnetic, and electronic applications will be well-suited to apply for this position. We anticipate hiring at the level of Assistant Professor, although truly exceptional candidates may be considered at the Associate or Full Professor level.

Candidate Profile and Responsibilities

The successful candidate should have a track record of high quality scholarly research, and a clear plan to secure research funding. Once hired, the successful candidate is expected to establish a vibrant research program, obtain competitive external research funding, participate actively in teaching in the materials area at both the undergraduate and graduate levels, and contribute through service to the welfare of the department.

Application

Applicants should submit their application packet containing a cover letter, complete curriculum vitae, a statement of achievements in teaching and research plans, and names and addresses of at least five references. Applications received before **November 1, 2012** will receive full consideration, but applications will continue to be accepted and reviewed until the position is filled. Please submit PDF documents only. Access the on-line application at **https://academicjobsonline.org/ajo/jobs/1906.**

Duke is committed to recruiting, hiring, and promoting qualified minorities, women, individuals with disabilities, and veterans. If you have a disability requiring reasonable accommodations during the application process, please contact Disability Management Systems at 919-684-8247.

Duke University and Health System is an equal opportunity institution.

Duke | PRATT SCHOOL OF ENGINEERING

Center for Materials Genomics

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FACULTY POSITION IN CHEMISTRY

Department of Chemistry
MOLECULAR DESIGN INSTITUTE
Arts and Science

The Department of Chemistry at New York University NYU, located in Greenwich Village in the heart of Manhattan, invites applications for a faculty appointment at the rank of assistant professor in physical chemistry, or in supramolecular materials chemistry as part of its Molecular Design Institute (MDI). The anticipated start date is September 1, 2013, pending budgetary and administrative approval. The Department of Chemistry at NYU is implementing a significant growth plan, including creation of the Molecular Design Institute and the Biomedical Chemistry Institute, and the recent hire of five senior and three junior faculty members. Duties will include undergraduate and graduate teaching. Applicants should have an outstanding record of research and a commitment to teaching.

Applications must include a curriculum vitae, a list of publications, and statements of future research and teaching plans. These materials, as well as three reference letters, must be submitted to our web-based application system using the following link: **http://chemistry.fas.nyu.edu/object/chem.nyufacultypositions**. *Application review will begin* ***October 15, 2012***. Any questions about this position can be directed to **chemistry.search@nyu.edu**.

NEW YORK UNIVERSITY

NYU is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION

Materials Science and Engineering

The School of Mechanical and Materials Engineering (MME) at Washington State University invites applications for a full-time tenure-track position in the area of advanced materials at the Pullman campus. The emphasis research areas include advanced materials development and characterization, processing and fabrication of advanced materials and structures, or computational materials science. Appointment will be at the Assistant or Associate Professor rank.

The successful candidate will be expected to teach undergraduate and graduate courses in materials science and engineering, mentor students, develop collaborative research, establish an externally funded research program, and publish scholarly work. An earned doctoral degree in Materials or Mechanical Engineering or a closely related field is required prior to the start of the appointment. The successful candidate must have a demonstrated record of scholarly work and potential to establish a robust research program. Candidates must be qualified to teach a wide range of courses in the School of MME. Demonstrated excellence in verbal and written communication skills are a necessity.

Applications should include a letter of application, a curriculum vitae, a statement of research plans, a statement of teaching experience and interests, and contact information for three references. The application should be submitted online at **www.wsujobs.com.** Application review begins immediately and will continue until the position is filled. It is anticipated that the successful candidate will begin the appointment on or before August 16, 2013. For additional information on Washington State University and MME, visit our home page at http://www.mme.wsu.edu.

WSU is an EO/AA Educator and Employer.

WASHINGTON STATE UNIVERSITY
World Class. Face to Face.

Faculty Positions

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

Two open-rank faculty positions, experimental and computational/theoretical, are announced by the Department of Materials Science and Engineering at the University of Illinois at Urbana–Champaign. Having recently made multiple hires in the area of biomaterials, we now seek exceptional candidates for tenure-track or tenured faculty positions with experimental or computational/theoretical expertise in any non-biological area of materials science and engineering, materials chemistry, or materials physics. 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 presently has 25 faculty and more than 370 undergraduate and 165 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. As part of the new Blue Waters Campus Initiative, a Center for Extreme-Scale Computation will be launched in the fall of 2012 and will provide access to additional exceptional computing facilities.

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 no later than **November 16, 2012.** The evaluation of applications by the search committee will begin before this date, and interviews may take place during the application period, but no decisions will 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 no later than November 16, 2012.

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.

https://doi.org/10.1557/mrs.2012.265 Published online by Cambridge University Press

Georgia Institute of Technology

Hightower Endowed Chair in Biopolymers

School of Materials Science and Engineering

The School of Materials Science and Engineering at the Georgia Institute of Technology invites applications and nominations for the Hightower Chair in Biopolymers. This senior position will serve as a focal point within the School and the Institute for research and teaching in the field of biopolymers, while working to broaden interactions in polymer science, bio-materials, and polymeric materials having a biological origin or function. Candidates with interests in the theory, design, synthesis, processing, characterization, and applications of biopolymers, are especially encouraged to apply. There are numerous opportunities for campus-wide interactions in the various units of the Colleges of Engineering and Science, including the School of Applied Physiology and the Department of Biomedical Engineering. Further interactions are envisioned with the Parker H. Petit Institute for Bioengineering and Bioscience (IBB), the Strategic Energy Institute (SEI), and the Institute for Electronics and Nanotechnology (IEN).

The successful candidate should have a history of establishing outstanding research programs, a demonstrated interest in fostering collaboration, and a commitment to high-quality teaching with the opportunity to develop courses and academic programming in biopolymers. The metropolitan Atlanta region provides much opportunity for local cooperation in medical research and development, along with potential entrepreneurial opportunities through the Institute's $(IC)^3$ program.

Candidates should submit an application letter describing their vision for the position, a curriculum vitae, and names (and contact information) for five references to www.mse.gatech.edu/Hightower. The application review process will begin immediately and will continue until the position is filled. Enquiries may be made to chair of the search committee at anselm.griffin@mse.gatech.edu. All enquiries and applications will be treated as confidential.

The Georgia Institute of Technology is an equal opportunity employer and welcomes nominations and applications from women and minority candidates.

JÜLICH
FORSCHUNGSZENTRUM

With a staff of 5000, Forschungszentrum Jülich – a member of the Helmholtz Association – is one of the largest interdisciplinary research centres in Europe and stands for the next generation of key technologies. Work with us on the grand challenges in the fields of health, energy & environment, and information technology, as well as on the many and varied tasks of research management.

As one of the leading neutron science centres in the world, the Jülich Centre for Neutron Science (JCNS) operates a large number of state-of-the-art neutron instruments at the high-flux research reactors FRM II (Garching near Munich, Germany) and ILL (Grenoble, France) as well as the spallation neutron source SNS (Oak Ridge, USA). JCNS provides access to neutron instruments of the highest performance class for scientists at universities and research institutions in Germany and throughout the world. JCNS has established internationally competitive in-house research programs in the fields of nanomagnetism and soft condensed matter.

The JCNS at the FRM II currently has vacancies for

4 POSTDOCs (f/m) in the field of „Correlated Electron Systems", „Nanomagnetism", „Complex Fluids" and „Dynamics of Macromolecules"

Your Job:
All Postdocs are encouraged to develop their own research project within existing research topics:

- Position 1 (**Correlated Electron Systems, ref. 206/2012MR**):
  Magnetic correlations and fluctuations in iron-based superconductors and / or highly frustrated spin systems studied by polarized neutron scattering techniques.
- Position 2 (**Nanomagnetism, ref. 207/2012MR**):
  Magnetic structure – function relationship in transition oxide heterostructures fabricated with a state-of-the-art Oxide MBE system.
- Position 3 (**Complex Fluids, ref. 208/2012MR**):
  Structure and Dynamics of Complex fluids under confinement and/or flow studied by neutron scattering techniques.
- Position 4 (**Dynamics of Macromolecules, ref. 209/2012MR**):
  Study of the structure and dynamics of polymers in complex environments such as nanocomposites, supra molecular structures etc. or the investigation of the functional dynamics of biomacromolecules.

Your Profile:

- A recent PhD in experimental condensed matter physics
- Preferred background either in magnetism and/or softmatter physics
- Interest in neutron scattering and scattering methods (neutron/x-ray scattering)
- Willingness to engage in interdisciplinary collaborations with groups of Forschungszentrum Jülich and external users from research and industry
- Willingness to engage in teamwork
- Good command of written and spoken English

Our Offer:

- A friendly and stimulating working environment in the major international neutron science centre FRM II
- High quality of life in the city of Munich
- Excellent opportunity for young Postdocs to develop their own research profiles in one of the largest interdisciplinary research centres in Europe
- Employment initially for a fixed term of three years
- Opportunity to job share
- Salary and social benefits in conformity with the provisions of the Collective Agreement for the Civil Service (TVöD).

Place of employment: Garching near Munich

Forschungszentrum Jülich aims to employ more women in this area and therefore particularly welcomes applications from women.

We also welcome applications from disabled persons.

Please send your written application, quoting the **reference code** to:

Forschungszentrum Jülich GmbH
Personnel Department
- Human Resource Development (P-E) -
52425 Jülich
Germany

contact:
Barbara Küppers
phone: +49 2461 61-5358
www.fz-juelich.de

Zertifikat seit 2010 audit berufundfamilie

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UCSD Jacobs | Department of NanoEngineering

LECTURER Department of NanoEngineering

Jacobs School of Engineering University of California, San Diego

The Department of NanoEngineering (http://ne.ucsd.edu), which currently administers the Chemical Engineering and NanoEngineering undergraduate degree programs for the University of California, San Diego, Jacobs School of Engineering, invites applications for **Lecturer with Potential Security of Employment** (LPSOE) or **Lecturer with Security of Employment** (LSOE). The LPSOE position parallels the position of an assistant professor on track for tenure, while LSOE positions closely parallel a tenured professional appointment. 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 should have expertise in undergraduate education in both (i) Chemical Engineering and (ii) Materials Science or Materials Engineering, and can provide evidence of effective and innovative teaching. The responsibilities include teaching of core classes in both Chemical Engineering and Materials Engineering, an introductory MatLab course, improvement of curriculum, coordination of ABET accreditation activities, development and assessment of new educational initiatives including the application of grants related to the curriculum, and serving as the faculty advisor to student organizations.

Candidates are expected to have a PhD degree or similar advanced graduate degree. Successful candidate will be part of the larger NanoEngineering senate faculty, and within that context, will provide academic guidance, leadership, and innovation for the Chemical Engineering undergraduate program and Materials Science and Materials Engineering courses offered by the department. Candidates with experience with or willingness to engage in activities that contribute to diversity and inclusion are especially encouraged to apply. We encourage candidates to send applications as soon as possible. Faculty applications received by **October 30, 2012** will be given full consideration.

UCSD and the Jacobs School of Engineering are committed to advancing diversity, equity, and inclusion. Added consideration will be given to candidates with experience in equity and diversity with respect to: teaching, mentoring, research, life experience, or service toward building an equitable and diverse scholarly environment. The level of appointment will be commensurate with qualifications and experience in conformance with University of California policies. For applicants with interest in spousal/partner employment, please see http://academicaffairs.ucsd.edu/offices/partneropp/default.htm for the UCSD Partner Opportunities Program.

Please submit (i) a letter of interest, (ii) curriculum vitae including the list of publications and professional activities, (iii) a statement of 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/**. Review of applications will begin October 30, 2012. 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.

PRINCETON UNIVERSITY

ASSISTANT PROFESSOR

DEPARTMENT OF MECHANICAL AND AEROSPACE ENGINEERING

School of Engineering and Applied Science
Princeton University

The Department of Mechanical and Aerospace Engineering (MAE) at Princeton University invites applications for a tenure-track assistant professor position in the general field of Applied Physics or related areas. Applicants must hold a PhD degree in Applied Physics, Engineering, Physics, Materials Science, or a related field, and have a demonstrated record of excellence in research with evidence of an ability to establish an independent research program. We seek faculty members who will create a climate that embraces excellence and diversity, with a strong commitment to teaching and mentoring that will enhance the work of the department and attract and retain students of all races, nationalities, and genders.

Princeton's MAE department has a long history of leadership in Applied Physics, with particular strength in spectroscopy, lasers, optics, diagnostics, plasma physics, and light-matter interactions. Research in this area often spurs advances important to other core areas in the department including fluid mechanics, energy and combustion science, propulsion, sensing, control, and material sciences. We seek candidates with the background and skills to build upon these strengths and those who can lead the department into new and exciting areas of applied physics.

To ensure full consideration, applications should be received by **December 1, 2012,** however, we will continue to accept applications until the position is filled. Applicants should submit a curriculum vita, including a list of publications and presentations, a summary of research accomplishments and future plans, a teaching statement, and contact information for at least three references online at **http://jobs.princeton.edu, reference number #1200556.** Personal statements that summarize leadership experience and contributions to diversity are encouraged.

Princeton University is an equal opportunity employer and complies with applicable EEO and affirmative action regulations.

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Open Rank Position

Computational Systems Biology
University of Illinois at Urbana–Champaign

The Institute for Genomic Biology and the Department of Chemical and Biomolecular 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, 2012. (www.inclusiveillinois.illinois.edu)

Illinois is an AA-EOE.

NREL
NATIONAL RENEWABLE ENERGY LABORATORY

The National Renewable Energy Laboratory (NREL), located in beautiful Golden, CO, is a leader in the U.S. Department of Energy's effort to secure an energy future for the nation that is environmentally and economically sustainable. Our mission 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.

Solid State Scientist – MBE deposition and characterization of CdTe epitaxial films
Requisition #2689BR

Job/Research Summary
As a member of the CdTe project within the National Center for Photovoltaics, the selected individual will plan and perform MBE deposition of epitaxial CdTe films for solar cell applications, coordinate and perform material characterization, and investigate the effects of the deposition conditions on the defect and material properties of CdTe films.

Job Duties
Under the direction of, and in collaboration with, senior staff, the individual will coordinate, facilitate and lead the development of a II-VI MBE facility at the National Center for Photovoltaics. This position will support the CdTe team in an effort to develop a model system based on epitaxial, single crystal CdTe films deposited on a wide variety of substrates. The individual will plan and carry out the deposition of the CdTe films by MBE, coordinate and perform material characterization as a function of deposition conditions, with special emphasis on structure-composition-property relationship. Particular emphasis will be placed on the investigation of point defects and extended defects in this system and how they affect the electrical and opto-electronic properties of CdTe solar cells.

Required Education and Experience
- Relevant PhD or equivalent relevant education/experience.
- Or, relevant Master's Degree and 3 or more years of experience or equivalent relevant education/experience.
- Or, relevant Bachelor's Degree and 5 or more years of experience or equivalent relevant education/experience.

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.

View Full descriptions at: www.nrel.gov/employment and search for Job 2689 or contact: Marlo.Hughen@NREL.gov

USTAR
Turning innovation into industry.

Alternative Energy ASSISTANT PROFESSOR

A position is available in the USTAR Alternative Energy Cluster, with corresponding tenure-track academic appointment in one or more science/engineering departments. We anticipate hiring at the Assistant Professor level, however, exceptionally qualified senior candidates may be considered. The Alternative Energy Cluster, as well as the research of many other groups at the U of Utah, is focused on chemical or materials-based approaches to energy production, storage, and conversion, including but not limited to photo- or electro-catalysis, solar fuels and electrofuels, photovoltaics, batteries, and fuel cells.

Assistant Professor candidates are expected to demonstrate the ability to develop vigorous, well-funded research programs, and to be excellent teachers at the undergraduate and graduate levels. The proposed research should have potential for future commercialization. Senior candidates should have successful, funded scholarly research programs, as well as demonstrated interest in team building and technology commercialization, and a commitment to teaching excellence. Assistant Professor applicants should send an application letter with detailed vita, a description of proposed research, and arrange for three letters of recommendation to be sent. Submit applications in PDF format directly to **http://utah.peopleadmin.com/postings/16611.** Senior applicants should send an application letter and vita. Review of applications will begin **October 15, 2012** and continue until suitable candidates are identified.

The position is part of the Utah Science, Technology and Research Initiative (USTAR), which was funded by the Utah Legislature to attract focused teams of outstanding researchers who have the potential to help build major fundamental research programs that will lead to the commercialization of new technologies and/or build new industries for Utah. Information about the USTAR initiative and past hires can be found at http://www.ustar.utah.edu. The University of Utah has substantial DOE, NSF, DOD, and industry-funded energy research, thus there are many opportunities for collaborations with existing faculty. In addition, it is anticipated that the Alternative Energy Cluster will hire additional faculty in coming years. The University of Utah is located in Salt Lake City, the hub of a large metropolitan area with excellent cultural facilities and unsurpassed opportunities for outdoor recreation.

The University of Utah values candidates who have experience working in settings with students from diverse backgrounds, and possess a strong commitment to improving access to higher education for historically underrepresented students. The University of Utah is an Equal Opportunity/Affirmative Action employer and educator. Minorities, women, and persons with disabilities are strongly encouraged to apply. Veterans preference. Reasonable accommodations provided. For additional information visit http://www.regulations.utah.edu/humanResources/5-106.html.

THE UNIVERSITY OF UTAH®

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FACULTY AND RESEARCH SCHOLAR POSITIONS

Center for Condensed Matter Sciences

National Taiwan University

The Center for Condensed Matter Sciences (CCMS), 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 candidates' qualifications. Applicants with excellent credentials in cutting edge condensed matter research fields of electronic, optical, magnetic, quantum transport, biopolymer, and nanostructured materials, 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, Republic of China
Center Assistant: Wei-Lin Chou
Email: cwli1828@ntu.edu.tw
Phone: (02) 3366-5201
Fax: (02) 2365-5404

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.

ASSISTANT PROFESSOR POSITIONS

Materials Department | University of California, Santa Barbara

The Materials Department at University of California Santa Barbara is seeking applicants for the following two positions:

Assistant Professor—Bio & Macromolecular Materials

The Materials Department in the College of Engineering at the University of California at Santa Barbara is seeking applications for a tenure-track Assistant Professor position in the area of Bio and Macromolecular Materials.

Outstanding candidates should demonstrate the ability to build a world-class experimental or theoretical research program in the area of soft materials. Application areas of interest include synthetic polymers, biomaterials, and polymer composites. It is expected that the candidate would demonstrate the potential for collaborative, interdisciplinary research with the broader Materials community at UCSB and take a leading role in advancing the world-class facilities at UCSB. Applicants should have a PhD degree or equivalent in materials science and engineering or a closely related field.

Applications comprising a resume, statement of teaching philosophy, a brief (3-page limit) statement of research interests, and names and addresses of at least three references should be submitted online at **https://ucsb-coe.redbrickrs.com/apply/biomolecular.**

Assistant Professor—Inorganic Materials

The Materials Department in the College of Engineering at the University of California at Santa Barbara is seeking applications for a tenure-track, Assistant Professor position in the area of Inorganic Materials.

Candidates should demonstrate the ability to build up an interdisciplinary, experimental research program in the areas of design, growth, and science of new and forward-looking functional inorganic materials. In addition, a commitment to education should be demonstrated. Truly exceptional candidates will also be considered at the Associate Professor level.

Applications consisting of a resume, a statement of teaching philosophy, a brief (3-page limit) statement of research interests, and the names and addresses of at least three references, should be submitted online at **https://ucsb-coe.redbrickrs.com/apply/inorganic.**

For primary consideration for either position, please apply by November 13, 2012. The positions 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

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Our Next Breakthrough **IS YOU.**
Lawrence Postdoctoral Fellowship

The Lawrence Livermore National Laboratory (LLNL) has openings available under its Lawrence Fellowship Program. This is a highly desirable postdoctoral position that provides freedom to conduct independent, cutting-edge research, directed by the candidate, in an area of the candidate's choice. The duration of the Fellowship is up to three years. Typically two to four openings are available each year. Fellowships are awarded only to candidates with exceptional talent, credentials and a track record of research accomplishments.

Successful candidates will propose and subsequently conduct original research in one or more aspects of science relevant to the mission and goals of LLNL. Possible scientific areas include: Physics, Applied Mathematics, Computer Science, Chemistry, Material science, Engineering, Environmental Science, Atmospheric Science, Geology, Energy, Lasers and Biology. Lawrence Fellows may participate in experimental or theoretical work at LLNL and will have access to LLNL's extensive computing facilities and specialized laboratory facilities. A senior scientist will be matched to the Fellow to serve as a collaborator and mentor. The candidates will receive full management and administrative support. The salary is $8, 092/mo.

Please refer to the following web page **http://apptrkr.com/273060** for eligibility requirements and instructions on how to apply. When applying and prompted, please mention where you saw this ad. The deadline for applications is November 1, 2012. LLNL is operated by the Lawrence Livermore National security, LLc for the u.s. department of energy, National Nuclear security administration. We are an equal opportunity employer with a commitment to workforce diversity.

Lawrence Livermore National Laboratory

http://fellowship.llnl.gov

Yale

Assistant Professor Energy Sciences Institute

Yale University seeks to recruit faculty at the Assistant Professor level to the newly established Energy Sciences Institute. The Institute is one of several science and engineering initiatives located at Yale's West Campus, a recently acquired 137-acre campus that has provided the University with unparalleled opportunities to stimulate and support cutting-edge, interdisciplinary research. We seek creative teacher-scholars who will have primary appointments in either the Chemistry Department or the School of Engineering and Applied Science.

Candidates must have a PhD degree in a relevant discipline, and an outstanding record of research that demonstrates originality in addressing significant questions in the study of energy. The Search Committee is particularly interested in individuals with expertise and research interests in the conversion of solar energy into storable chemical energy as well as those with interest in the development of "transitional technologies," such as clean fuels and carbon capture and sequestration.

Applicants should create a profile at **https://academicjobsonline.org/ajo/jobs/1722** and upload a statement of research plans, curriculum vitae, and up to five reprints of published work(s). Applicants should also arrange for three references to upload their letters of recommendation. For further information, contact Ryan Nystrom at ryan.nystrom@yale.edu or P.O. Box 27394 West Haven, CT 06516-7390. The review of applications will begin on **October 15, 2012.**

Yale University is an affirmative action, equal opportunity employer. Yale values diversity among its faculty, students, and staff and strongly encourages applications from women and underrepresented minorities.

FACULTY POSITION
Materials Science and Engineering • University of Tennessee, Knoxville

The Department of Materials Science and Engineering (MSE) at the University of Tennessee invites applicants for a tenure-track faculty position at the Assistant Professor level. The successful candidate will be expected to develop strong externally funded research programs in an area of interest to the department, including, but not limited to: advanced materials synthesis and characterization, materials for advanced energy systems, and computational materials science. These research areas are also emphasized by the nearby (20 miles) Oak Ridge National Laboratory (ORNL), with which the department has strong research interaction. The ORNL facilities that are of special interest include the Center for Nanophase Materials Science (CNMS), the Oak Ridge Leadership Computing Facility (OLCF), and the Spallation Neutron Source (SNS).

Applicants must hold a PhD degree in Materials Science and Engineering or closely related field and have an established record of excellence in their area of specialization. The successful candidate must be qualified to teach materials science and engineering courses at both the undergraduate and graduate levels. More details about the department can be found at http://www.engr.utk.edu/mse.

The University of Tennessee, Knoxville is the state's flagship research institution. As a land-grant university, it is committed to excellence in learning, scholarship, and engagement with society. In all its activities, the university aims to advance the frontiers of human knowledge and enrich and elevate society. The MSE Department has a diverse faculty with broad research interests. The University offers world-class research opportunities, including interdisciplinary collaborative research centers: Scintillation Materials Research Center (SMRC), Center for Materials Processing (CMP), Joint Institute for Advanced Materials (JIAM), Joint Institute for Neutron Sciences (JINS), and the Joint institute for Computational Sciences (JICS).

The Knoxville campus of the University of Tennessee is seeking candidates who have the ability to contribute in meaningful ways to the diversity and intercultural goals of the University. Interested individuals should submit electronically a complete curriculum vitae (no length restriction), a research plan and a summary of teaching interests (2 page maximum each), and the names and contact information (including e-mail addresses) of five potential references to: **MSEsearch@utk.edu.** Screening will begin around **November 1, 2012** and will continue 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, gender identity, age, physical or mental disability, or covered veteran status.

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