

Positions Available

ASSISTANT PROFESSOR
Department of Mechanical Engineering
Louisiana State University

The Department of Mechanical Engineering at Louisiana State University invites applications for an Assistant Professor (tenure-track) position starting in August 2008 in the field of materials science and engineering (MS&E). Exceptional applicants at a higher level of appointment will be considered.

The department seeks to build on recent momentum in a university-wide expansion on MS&E, and strengthen current MS&E activities within the department in areas including nanostructured materials, micro/nano fabrication, surface engineering and atomistic/continuum level materials simulations. Applications in other areas of materials engineering will be considered as well. Applicants with background in materials science, mechanical engineering, physics, chemistry, and related fields are encouraged to apply.

Required Qualifications: PhD degree in Engineering

Responsibilities: Teaches at both undergraduate and graduate levels; initiates independent externally-funded research; supervises graduate and undergraduate students. Successful candidates are expected to have the potential to develop substantive collaborations with ongoing research in the department.

An offer of employment is contingent on a satisfactory pre-employment background check. Women and minority candidates are encouraged to apply. Application deadline is **January 15, 2008** or until a candidate is selected. Submit a complete resume (including e-mail address), statements regarding research and teaching, and the names, telephone numbers, and e-mail addresses of at least three references to:

Prof. G.B. Sinclair, Chair; Department of Mechanical Engineering
 Louisiana State University; Ref: Log #1055; Baton Rouge, LA 70803

LSU is an Equal Opportunity/Equal Access Employer

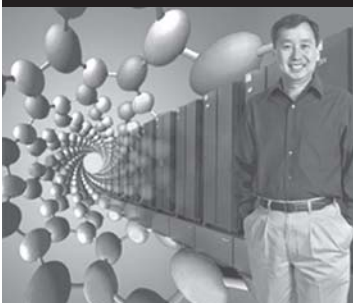
FACULTY POSITIONS
Department of
Mechanical Engineering
University of California, Riverside

The University of California, Riverside, Department of Mechanical Engineering, invites applications for tenure-track or tenured faculty positions. Applicants should have a PhD degree in a relevant engineering discipline or a related field. All contemporary areas of research in Mechanical Engineering and Materials Science and Engineering will be considered.

New faculty members are expected to initiate and sustain strong sponsored research and graduate training programs. Rank and salary will be competitive and commensurate with qualifications and experience. Review of applications will begin on **December 1, 2007** and will continue until the positions are filled. To apply, submit the requested files at www.engr.ucr.edu/facultysearch/. See <http://www.me.ucr.edu/> and <http://www.engr.ucr.edu/mse/> for more information.

*UC Riverside is an Equal Opportunity/
 Affirmative Action Employer.*

Career-level Scientist, and Senior Scientist Positions



Lawrence Berkeley National Laboratory Environmental Energy Technologies Division

The battery program at LBNL has several positions available at both the Senior/Staff Scientist level and at the Scientist level in the areas of advanced Li-based battery systems. Depending on the level of experience, the person will serve as a Principal Investigator in the Batteries for Advanced Transportation Technologies (BATT) Program (See: <http://berc.lbl.gov/BATT/BATT.html>) and work with a world-class team to understand and alleviate the multitude of problems that prevent Li-ion batteries from being used in hybrid-, plug-in-, and electric-vehicles.

The candidates will complement the existing strengths in the program in material synthesis, diagnostics, modeling, and test-cell fabrication. Candidates with research interest and experience in the following areas are of particular interest: (1) synthesis of novel materials, with particular emphasis on materials in the nanoscale, (2) structural calculations with emphasis on understanding structure-property correlations, and (3) diagnostics techniques with specific interest in interfacial processes.

While all candidates will be expected to perform high-quality fundamental research on advanced Li-ion batteries and publish in refereed archival journals, the senior position will also be expected to work on program development, including interacting with program managers at the Department of Energy and other agencies, and with Lab management. In addition, the Senior Scientist will have the opportunity to serve in a leadership role in the Advanced Energy Technologies Department (See: <http://eetd.lbl.gov/r-aet.html>) in the Environmental Energy Technologies Division (See: <http://eetd.lbl.gov>).

For more details and to apply please go to <http://cjo.lbl.gov>, select "Search Jobs" and enter 20714 for the Senior level position or 20931 for the Scientist position in the keyword search. Select the "Upload Your Resume" option, and follow the online instructions to complete the application process. LBNL is an affirmative action/equal opportunity employer committed to the development of a diverse workforce. www.lbl.gov



Lawrence Berkeley National Laboratory (LBNL) is located in the San Francisco Bay Area on a 200-acre site in the hills above the University of California's Berkeley campus and is managed by the University. A leader in science and engineering research for more than 75 years, LBNL is the oldest of the U.S. Department of Energy's National Laboratories.

Positions Available



FACULTY POSITIONS
Department of NanoEngineering
University of California, San Diego

The Department of NanoEngineering (<http://nanoengineering.ucsd.edu>) invites applications for tenure-track or tenured faculty positions at the Assistant, Associate, or Full Professor level. Candidates are expected to carry out forefront research and teach classes related to NanoEngineering in the following technical fields:

- **The intersection of Nano-Science and Engineering and the Biological Sciences.** Examples include but are not limited to the use of nanostructured materials for detection and manipulation of biomolecules in living systems, the engineering of biological systems for creation of unique 2-D or 3-D nanostructures, and studies of nano-device/soft matter interface science. Applications toward nano-biotechnologies, such as cellular and molecular imaging and therapeutics, are particularly encouraged.
- **The intersection of Nano-Science and Engineering with implications for Energy Technologies.** Many of the fundamental length scales involved in energy conversion, transmission, and storage occur at the nanoscales. Therefore, NanoEngineering provides the opportunity to discover and develop new processes and systems to cost-effectively convert, store, and transmit energy that can lead to the generation of renewable energy, can significantly reduce the dependence on fossil energy, or reduce the atmospheric burden of greenhouse gases.
- **Molecular and Nanostructured Materials.** At the core of Nanotechnology is nanostructured materials, and development of new processes, understanding, characterization, and modeling of molecular and nanoscale materials is sought.
- **Computational Methods in Nanotechnology.** Due to scale issues, computational methods have enormous potential to impact fundamental Nano-Science, Nano-Engineering, and Nanotechnology applications. A demonstrated track record in the application of computational approaches to nanoscale science or engineering is strongly preferred. However, excellent candidates in all areas of nanoscale engineering will be seriously considered.

Qualifications: PhD or equivalent degree

Rank and Salary: Level of appointment commensurate with qualifications; salary based on published UC pay scales

Closing Date for Applications: November 30, 2007

Send detailed resume, personal statement summarizing teaching experience and research interests, leadership efforts and contributions to diversity, and names/addresses of five professional references to:

NE Search Chair
 UCSD NE Department
 9500 Gilman Drive
 La Jolla, CA 92093-0448

Inquiries: ne_recruitment@ucsd.edu

For applicants interested in spousal/partner employment, please visit the UCSD Partner Opportunities Program website at <http://academicaffairs.ucsd.edu/offices/partneropp/>.

UCSD is an equal opportunity/affirmative action employer with a strong institutional commitment to the achievement of excellence and diversity (<http://diversity.ucsd.edu>)

ASSISTANT PROFESSOR

Electrochemistry

The Department of Chemistry at The University of Alabama is seeking an outstanding individual with expertise in electrochemistry to fill a tenure track position at the rank of Assistant Professor. Candidates working in all areas of electrochemistry will be considered. Specific areas of interests include, but are not limited to, biosensors, materials chemistry, and electrocatalysis. Candidates are expected to have a Ph.D. and post-doctoral training in chemistry or an allied field. The successful candidate will be dedicated to excellence in education at the undergraduate and graduate levels and be expected to develop a vigorous, externally funded research program. Further information about the Department is available at <http://www.bama.ua.edu/~chem>. Information about multidisciplinary research opportunities can be found at <http://bama.ua.edu/~chem/research/researchcenters/centers.html> Women and members of groups underrepresented in science are especially encouraged to apply. All candidates must provide a curriculum vita including publication list, research plans (2-3 pages), statement of teaching philosophy and interests (1-2 pages), and arrange to have three (3) letters of recommendation sent to: Electrochemistry Search Committee, Department of Chemistry, The University of Alabama, Box 870336, Tuscaloosa, AL 35487. Review of applicants will begin December 1 and continue until the position is filled.

The University of Alabama is an Affirmative Action/Equal Opportunity Employer. Applications from women and minorities are encouraged.

Crimson is
THE UNIVERSITY OF ALABAMA

NATIONAL RESEARCH COUNCIL

OF THE NATIONAL ACADEMIES

Research Associateship Program

- Postdoctoral Research Awards**
- Senior Research Awards**
- Summer Faculty Fellowships**
- Davies Teaching Fellowships**

offered for research at

US government laboratories

Opportunities for postdoctoral and senior research in all areas of science and engineering

- Awards for independent research at approximately 100 participating laboratory locations
- 12-month awards renewable for up to 3 years
- Annual stipend \$41,000 to \$70,000 - higher for senior researchers
- Relocation, professional travel, health insurance
- Annual application deadlines Feb. 1, May 1, Aug. 1, Nov. 1

Detailed program information, including instructions on how to apply, is available on the NRC Web site at:

www.national-academies.org/rap

Questions should be directed to the:

National Research Council

TEL: (202) 334-2760

E-MAIL: rap@nas.edu

Qualified applicants will be reviewed without regard to race, religion, color, age, sex or national origin.

THE NATIONAL ACADEMIES

Advisers to the Nation on Science, Engineering, and Medicine

Positions Available



GROUP LEADER
Structure Determination Methods Group
Ceramics Division
Materials Science and Engineering Laboratory (MSEL)
National Institute of Standards and Technology

Applications are invited from qualified candidates for the position of Group Leader, Structure Determination Methods Group, in the Ceramics Division, at NIST in Gaithersburg, Maryland. The Structure Determination Methods Group, as one of four groups in the Ceramics Division, provides measurement science, standards, and technology needed by U.S. industry in the area of materials structure, from the atomic scale to the microstructural scale. Specific Group Projects include Diffraction Metrology and Standards, Thin Film X-ray Reflectometry, Measurement and Prediction of Local Structure in Electronic Ceramics, Ceramic Phase Equilibrium Data, and Crystallographic Databases. Group activities focus on the development and maintenance of standard reference materials, standard reference databases, and data analysis methods for ceramic and other inorganic materials. Measurement methods developed and used for structure determination include neutron diffraction, small-angle x-ray scattering, high-resolution x-ray diffraction and reflectometry, transmission electron microscopy, scanning electron microscopy, Raman spectroscopy, and extended x-ray absorption fine structure measurements. Group facilities include access to the NIST Center for Neutron Research, located at Gaithersburg, and the NIST Center for Synchrotron Measurement Science and Technology, located at Brookhaven National Laboratory. More information about these and other activities in the Ceramics Division may be found on our website at <http://www.ceramics.nist.gov/>.

The Group Leader of the Structure Determination Methods Group is responsible for leading and managing a technical staff of about 10 PhD's. Responsibilities range from planning and directing ongoing technical projects and resource use to identifying and developing projects in new measurement areas. As a member of the Ceramics Division Management Team, the Group Leader participates in the development and implementation of optimized management practices, processes, and policies, and advises the Division Chief on the use of fiscal and staff resources. The Group Leader also develops productive collaborations within NIST and with U.S. industry and other Federal agencies.

Applicants must have demonstrated experience in conducting and leading research and development in structure measurement of ceramic and inorganic materials and demonstrated ability to execute projects and the related outputs. Applicants must also have experience in personnel and financial management, including managing staff performance, managing group resources, and recruiting and mentoring staff. Strong speaking and writing skills are required. The ideal candidate would have experience in two or three of the measurement methods listed above.

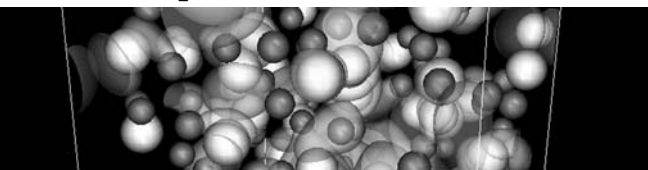
The Group Leader, Structure Determination Methods Group, is a supervisory technical position in the Scientific and Engineering Career Path designated as "ZP". The base salary ranges from \$100,000 to \$145,400, depending on qualifications and experience. United States citizenship is required.

Interested applicants should send a curriculum vita and three references (names and contact information only) via post or e-mail to Dr. Debra L. Kaiser, Chief, Ceramics Division, NIST, 100 Bureau Drive, Stop 8520, Gaithersburg, MD 20899; debra.kaiser@nist.gov. Applications must be received by **January 1, 2008**.

NIST, a bureau of the U.S. Department of Commerce, is an Equal Opportunity Employer.



Providing Opportunities for
Stewardship Science Research



Department of Energy
National Nuclear Security Administration
Stewardship Science Graduate Fellowship

The DOE NNSA SSGF program provides outstanding benefits and opportunities to students pursuing a Ph.D. in areas of interest to stewardship science, such as high-energy density physics, low-energy nuclear science and properties of materials under extreme conditions. Fellows also participate in research at a DOE laboratory.

Benefits include:

- Payment of tuition and fees
- A competitive yearly stipend of \$32,400
- Yearly academic allowance
- Renewable up to four years

APPLICATION DEADLINE - JANUARY 9, 2008!

Visit: www.krellinst.org/ssgf



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

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

FACULTY POSITION
Department of Chemistry
ARTS AND SCIENCE

The Department of Chemistry at New York University, located in Greenwich Village in lower Manhattan, invites applications for a faculty position in experimental biophysical chemistry. Strong candidates in other fields of experimental chemistry also will be considered, especially in areas of nanoscience and materials chemistry. The appointment will begin September 1, 2008, pending final administrative and budgetary approval. The search will focus on the Assistant Professor level, but exceptional candidates at higher rank can be considered. The Department is embarking on a significant growth plan that includes the creation of the Molecular Design Institute, the recent hire of two senior-level faculty with more anticipated, and expansion of laboratory and instrumentation facilities. Applicants should have a very strong research record and a commitment to teaching.

Applications should include a curriculum vita, a list of publications, a statement of future original research and teaching plans, and the names of at least three references. *Application review will begin on November 15, 2007*. Therefore, to guarantee full consideration complete applications should be sent to **Faculty Search Committee, Department of Chemistry, New York University, 100 Washington Square East, New York, NY 10003** by this date.



NEW YORK UNIVERSITY

NYU is an Equal Opportunity/Affirmative Action Employer.

Positions Available



**TENURE-TRACK POSITIONS
Nanoscale Systems
West Virginia University**

West Virginia University invites applications for four tenured or tenure-track positions, each serving an integral role enabling discovery in advanced biomolecule sensing, control, and delivery; nanofluidics; and drug discovery and delivery through an integrative approach to combining nanobioscience, nanoscale structures, device development, and integrative system development. Areas of specific interest include exploration of novel interactions between biomolecular and inorganic/semiconductor device components; molecular or biological scaffolds to form functionalized surfaces or discrete entities; novel material modification at the nanoscale to minimize non-specific adsorption and/or facilitate the attachment of biomolecular recognition elements; and synthesis of modified biomolecules for altered cellular function or substrate recognition. A PhD degree in the physical, biological, engineering, or biomedical sciences is required.

West Virginia University (www.wvu.edu) is a comprehensive land grant research institution with comprehensive health sciences enrolling over 27,000 students in 113 degrees programs. These positions are enabled by WVNano (wvnano.wvu.edu), WVU's nanoscale science, engineering, and education initiative and the Colleges of Arts and Sciences and Engineering, and the Schools of Medicine and Pharmacy. The successful candidate will be appointed in the academic department with which the applicant has the strongest disciplinary synergy, and will serve an integral role within WVNano. In addition to start-up resources, state-of-the-art chemical, biochemical, computational, growth, fabrication, microscopy, and characterization facilities are available through WVNano. The successful candidate will demonstrate the ability to develop a vigorous extramurally funded research program in their area of specialization, build effective collaborations, and demonstrate potential for excellence in teaching.

Interested candidates must send a CV along with a letter of application, a statement of research interests, a statement of teaching philosophy, and three letters of references to nanosearch@mail.wvu.edu. Review of completed applications will begin immediately and the positions will remain open until filled. For further information, contact Lawrence Hornak or Thomas Myers WVNano Co-directors at wvnano@mail.wvu.edu (queries only). This announcement can be made available in alternative format.

West Virginia University is an affirmative action, equal opportunity employer dedicated to building a culturally diverse and pluralistic faculty and staff committed to teaching and working in a multicultural environment. Applications are strongly encouraged from women, minorities, individuals with disabilities, and covered veterans.

**ASSISTANT PROFESSOR
Quantum Information Science
Berkeley Nanosciences and Nanoengineering Institute
University of California, Berkeley**

The Berkeley Nanosciences and Nanoengineering Institute (BNNI) at the University of California, Berkeley solicits applications for a tenure-track position of Assistant Professor beginning in Fall 2008. Candidates are sought in the fields at the intersection of nanoscale science and engineering and quantum information science.

Candidates from all departments are welcome to apply. Full attention will be given to applications received before **January 15, 2008**. Details of the solicitation and the application submission process can be found at <http://nano.berkeley.edu/job/job.html>.

The University of California is an Equal Opportunity/Affirmative Action Employer.

**Max-Planck-Gesellschaft
Max Planck Society**



**Selbstständige
Nachwuchsgruppen
Independent Junior
Research Groups**

The Max Planck Society invites applications from outstanding young scientists in all fields of research pursued by the Max Planck Society (Biology and Medicine; Chemistry, Physics and Technology; Human Sciences).

Successful applicants will have demonstrated the ability to perform excellent research. They will be offered an

**Independent Junior Research
Group Leader position**

(W2; equivalent to associate professor level without tenure) including a five-year grant (research positions, budget, investments) with possibilities of extensions.

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

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

The Max Planck Society is committed to equal opportunities and to employing disabled persons.

The deadline for application is **December 14, 2007**.

Positions Available



**FACULTY POSITIONS
Materials Science and Engineering
University of Wisconsin-Madison**

The Department of Materials Science and Engineering at the University of Wisconsin-Madison seeks new faculty at all levels. Successful candidates will develop an internationally recognized research program, demonstrate leadership in attracting extramural funding, dedicate themselves to excellence and innovation in both undergraduate and graduate education, and provide service to the profession. We seek outstanding faculty pursuing theoretical, computational, and experimental research in areas including structural, biological, energy-related, and electronic materials.

UW-Madison offers world-class research opportunities, including interdisciplinary collaborative research centers and exceptional facilities for materials characterization, computation, and nanofabrication (www.engr.wisc.edu/mse/facultysearch). The University is committed to assisting candidates in achieving the highest levels of accomplishment.

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

Unless confidentiality is requested in writing, information regarding applicants must be released upon request. Finalists cannot be guaranteed confidentiality. Review of applications is ongoing and will continue until the positions are filled.

UW-Madison is an equal opportunity/affirmative action employer.



**TENURE-TRACK POSITIONS
Metallurgical and
Materials Engineering Department
Colorado School of Mines**

Applications are invited for two anticipated faculty positions at the Assistant Professor level:

- Assistant Professor—Ceramic Materials: with preference given to candidates with expertise in biomaterials, nanomaterials, or energy.
- Assistant Professor—Polymers/Biomaterials: with preference given to candidates with biomaterials expertise.

A PhD degree in materials science or a related discipline is required. The successful candidates will be actively engaged in undergraduate and graduate teaching and both independent and collaborative research. Applicants must possess excellent interpersonal and communications skills.

For complete job announcements, information about the university, and instructions on how to apply, please visit our web site at http://www.is.mines.edu/hr/Faculty_Jobs.shtm. Review of applications will commence in early December.

In addition to a competitive salary, CSM provides an attractive benefits package including fully paid health insurance, flexible work schedules, parental leave policies, and dependent care assistance.

CSM is an EEO/AA employer and is committed to enhancing the diversity of its campus community. Women, minorities, veterans, and individuals with disabilities are encouraged to apply.

**TENURE-TRACK FACULTY POSITION
Materials Science and Engineering
Look College of Engineering
Texas A&M University**

The Department of Mechanical Engineering at Texas A&M University invites applications for a tenure-track position in Materials at either the Assistant or Associate Professor level. Applicants must have earned a doctorate with a specialty in materials engineering/science or a closely related discipline and should have demonstrated expertise in one or more of these areas: nanostructured materials, multifunctional polymeric materials, energy harvesting materials, or environmental materials science.

Successful applicants will be expected to contribute to the department's mission through: (1) a strong commitment to teaching excellence, (2) development of a high-quality, independent research program by publications in leading scholarly journals, and (3) service to the profession both within the university and through professional organizations. Applicants should consult the department web page at <http://www.mengr.tamu.edu> to review our academic and research programs.

Applicants should submit a complete resume, a one-page statement of research and teaching interests, and a list of three references (including their postal addresses, telephone numbers, and e-mail addresses) electronically via the departmental web site at <http://www.mengr.tamu.edu/Employment/employment.html>.

If electronic submission is not possible, applicants may submit their application package via standard mail to:

Materials Faculty Search Committee
c/o Dr. Richard B. Griffin
Department of Mechanical Engineering-3123
Texas A&M University
College Station, TX 77843-3123

Applications will be accepted until the position is filled.

Women and other under-represented minorities are especially encouraged to apply. Texas A&M University is an Equal Opportunity and Affirmative Action Employer.

**POSTDOCTORAL FELLOWSHIPS
Micro and Nanoscale Technologies,
MEMS, and Electrochemistry
Harvard University**

Applications are invited for two postdoctoral positions at the School of Engineering and Applied Sciences, Harvard University. The project will be related to fabrication and studies of novel nanoscale energy-related devices. Prior hands-on experience in one or more areas such as MEMS fabrication methods, photolithographic processing, integrated device fabrication, high temperature electrochemistry, or fuel cells is necessary. Candidates with system-level design expertise of fuel cells will also be considered. The project will have a strong experimental focus and will encompass both materials science studies such as thin film synthesis and physical characterization as well as integrated device fabrication and testing aspects.

We are seeking highly motivated candidates with an experimental background, outstanding academic record, and publications. The candidate should have a PhD degree in Materials Science, Chemistry, Applied Physics, Physics, Electrical Engineering, Mechanical Engineering, or related disciplines. The positions are likely available immediately. Applicants should send their CV, list of publications, and contact information of three references to Professor Shriram Ramanathan by electronic mail at shriram@seas.harvard.edu. Please include "PDF Application" in the subject line.

Harvard is an Equal Opportunity/Affirmative Action Employer. We strongly welcome applications from qualified women and minority group members.

Positions Available

IOWA STATE UNIVERSITY

FACULTY POSITIONS
Materials Science and Engineering Department
Iowa State University

The Materials Science and Engineering Department (<http://www.mse.iastate.edu/>) is seeking applicants to fill one or more tenure-track faculty positions with a preference for candidates in the areas of structural materials, biomaterials, and polymers, though other candidates will be considered. The appointment may be at the assistant, associate, or full professor level. Candidates will be expected to develop and teach undergraduate and graduate courses, as well as to establish and sustain strong research programs in their area of expertise. All faculty members are expected to interact collegially and maintain the highest standards of integrity and ethics. The College of Engineering supports the Dual Career Services Program which serves as a focal point for efforts to find career options for the partners of incoming faculty.

- **Assistant Professor:** Qualifications include a PhD degree in Materials Science or related discipline and experience that demonstrates the commitment to teaching and research.
- **Associate Professor:** In addition to the qualifications already mentioned, candidates must have significant experience/accomplishments in his/her area of expertise, nationally recognized scholarship, experience that demonstrates the ability to support his/her research with significant external funding, and experience that demonstrates a commitment to teaching at the undergraduate and graduate levels.
- **Full Professor:** In addition to the qualifications already mentioned, candidates must also have internationally recognized scholarship.

The Materials Science and Engineering Department at ISU is one of the leading materials departments in the nation, with 29 faculty members, 170 undergraduate students, and 80 graduate students. Sponsored research expenditures of the department are over \$12M per year. The department enjoys a close relationship and joint research activities with the Ames Laboratory (US DOE), the Center for Non-destructive Evaluation, and the Microelectronics Research Center.

All applications must be submitted electronically for Vacancy #070822. Qualified applicants should visit www.iastatejobs.com, complete the employment application, and attach:

- 1) a current vitae,
- 2) a concise statement of research and teaching interests not to exceed three pages total, and
- 3) names and addresses of three references.

Direct questions regarding the application process to employment@iastate.edu or (515) 294-2936. Review of applications will begin **October 1, 2007** and will continue until **January 30, 2008**.

Iowa State University is an Equal Opportunity/Affirmative Action Employer. Candidates from underrepresented groups are encouraged to apply.

SOLAR ENGINEER
MetaMateria Partners, LLC

MetaMateria Partners, LLC, based in Columbus, Ohio, has an immediate need for a Solar Engineer. Candidates must have MS or PhD degree, experience working in the solar industry, and will have built solar/photovoltaic cells. Please e-mail resume to ricer@metamateria.com.

MetaMateria is an Equal Opportunity Employer



RADCLIFFE INSTITUTE FOR ADVANCED STUDY
HARVARD UNIVERSITY

fellowships

The Radcliffe Institute for Advanced Study at Harvard University awards fully funded fellowships each year. Radcliffe Institute fellowships are designed to support scientists of exceptional promise and demonstrated accomplishment. Scientists, in any field, with a doctorate in the area of the proposed project by December 2007 are eligible to apply. Only scientists who have at least two published articles or monographs are eligible to apply.

The stipend amount of \$70,000 is meant to compliment sabbatical leave salaries of faculty members. Fellows receive office space, computers and high speed links, and access to libraries and other resources of Harvard University during the fellowship year, which extends from early September 2008 through June 30, 2009. Residence in the Boston area is required as is participation in the Institute community. Fellows are expected to present their work-in-progress and to attend other fellows' events.

For more information, including lists of present and past fellows, visit our Web site at www.radcliffe.edu. Applications are due by December 3, 2007. Apply on-line or write, call, or e-mail for an application:

Radcliffe Application Office
34 Concord Avenue, Cambridge, MA 02138
617-496-3048
science@radcliffe.edu
www.radcliffe.edu

outstanding graduate fellowship opportunity for

**Students Actively Studying the
Properties of Materials**



Department of Energy
Computational Science Graduate Fellowship

The DOE CSGF program supports students pursuing doctoral studies at U.S. universities in scientific and engineering disciplines that rely upon high-performance computation in their thesis research.

Benefits include:

- Payment of tuition and fees
- A competitive yearly stipend of \$32,400
- Research practicum at a DOE laboratory
 - Yearly fellows conference
 - Renewable for up to four years

Application Deadline:

January 16, 2008.

For more information, visit:

www.krellinst.org/csgf



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



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

Positions Available



ASSISTANT RESEARCH PROFESSOR
LeRoy Eyring Center for Solid State Science
Arizona State University

Description:

The LeRoy Eyring Center for Solid State Science (LECSSS) at Arizona State University is accepting applications for an Assistant Research Professor appointment. The candidate must have an active scientific research program that he/she will pursue and should have a strong publication record and invited talks in their field. The successful candidate is expected to support at least 25% and up to 50% of his salary from external research funding. The successful candidate is also expected to direct and/or participate in the acquisition of new advanced Solid State research capabilities in the Goldwater Materials Laboratory and will also manage the Goldwater Materials Science Laboratories (GMSL) and its lab personnel.

Qualifications:

The candidate must have extensive knowledge of operation and maintenance of FTIR and Raman vibrational spectroscopy, laser heating, and X-ray diffraction instruments. Experience with high pressure techniques is also recommended. The candidate should have at least three years of experience since obtaining his/her PhD. He/she should also have good communication, management, and organizational skills.

Application Procedures:

Applicants should send a cover letter, curriculum vitae, a list of publications, and contact information for three references. Applications can be emailed to Donalea.robertson@asu.edu, faxed to 480-965-9004, or mailed to LeRoy Eyring Center for Solid State Science, PO Box 871704, Tempe, AZ 85287-1704. Deadline for acceptance of applications is **December 1, 2007**.

Background Check Statement:

ASU conducts pre-employment screening for all positions which includes a criminal background check, verification of work history, academic credentials, licenses, certifications, and other screening that may be required do to the nature of the position.

ASU is an Equal Opportunity/Affirmative Action Employer

IOWA STATE UNIVERSITY

POSTDOCTORAL RESEARCH ASSOCIATE
Computer Simulation
Ames Laboratory
Iowa State University

The Materials and Engineering Physics Program in the Ames Laboratory is seeking a PhD scientist with expertise in computer simulation and a background in either material science or condensed matter physics for a postdoctoral position to perform molecular dynamics simulation of solidification and liquid-glass transition processes. The candidate is required to be experienced in running MD codes using parallel processors. The proposed starting date is December 1, 2007.

Please send a cover letter detailing specific instrument experience, curriculum vita, and have at least two letters of reference sent to Dr. Mikhail Mendelev, 207 Metals Development Bldg., Materials and Engineering Physics Program, Ames Laboratory (US DOE), Ames, IA 50011.

An EEO/AA employer.

ASSISTANT PROFESSOR

Alternative Energy Chemistry

The Department of Chemistry at The University of Alabama seeks an outstanding individual with expertise in chemistry-related alternative energy to fill a tenure-track position at the Assistant Professor rank. Candidates working in all areas of chemistry with multidisciplinary interests and whose work is focused on the central theme of alternative energy will be considered. We are especially interested in candidates taking a multi-faceted approach in terms of tools and approaches. Successful candidates are expected to have a Ph.D. and postdoctoral training in chemistry or closely allied field and to develop a vigorous, externally funded research program. Commitment to excellence in both undergraduate and graduate teaching is also required. Further information on the Department is available at <http://www.bama.ua.edu/~chem/>. Women and members of groups under-represented in science are especially encouraged to apply. All candidates should provide a curriculum vitae including publication list, research plans (3-5 pages), teaching plans (2 pages), and arrange to have 3 letters of recommendation sent to the Alternative Energy Chemistry Search Committee, Department of Chemistry, The University of Alabama, Box 870336, Tuscaloosa, AL 35487. Review of applicants will begin December 1 and continue until the position is filled.

The University of Alabama is an Affirmative Action/Equal Opportunity Employer. Applications from women and minorities are encouraged.

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TENURE-TRACK FACULTY POSITION
Energy Systems
Colorado State University

The Department of Mechanical Engineering at Colorado State University invites applicants for a tenure-track position in Energy Systems. The Department of Mechanical Engineering at Colorado State University is seeking new faculty interested in advancing the frontiers of science and technology in the broad area of energy, with a special focus on forward-looking approaches for sustainable energy generation and storage. Examples include, but are not limited to, energetic materials, sustainable energy sources, advanced batteries, distributed electric power generation, biofuels, and global energy issues. However, applications in all areas of energy will be considered.

This position is targeted for faculty entering at the Assistant Professor level, although exceptionally qualified applicants will be considered at the Associate or Full Professor level. This is a full-time position with a nine-month appointment, beginning in the Fall term of 2008 or later. This faculty member will teach undergraduate and graduate courses, advise undergraduate and graduate students, develop an externally funded program that includes support of graduate students, develop strong partnerships with the energy industry, and participate in appropriate professional and University service activities.

Full details of the position are available at www.engr.colostate.edu/me/search/. For full consideration, applications must be received by **December 14, 2007**. However, applications will be considered until the position is filled.

CSU is an EO/AA employer.

Positions Available

FACULTY POSITION
Department of Materials Science and Engineering
University of Utah

A tenure-track faculty position is available beginning Fall 2008 in Materials Science and Engineering (MSE) at the University of Utah. The position is open to candidates in all ranks; Assistant Professor, Associate Professor, or Full Professor, depending upon qualifications, although preference is given to candidates qualified at the Associate or Full Professor level. Prospective candidates should have a strong record of published research in the field of nanoscience, nanotechnology, and/or biomaterials. Preference will be given to candidates with demonstrated expertise in experimental materials science and engineering with emphasis on nanoscience, nanotechnology, and/or biomaterials. Demonstrated success in establishing externally funded research program is highly desired. The College of Engineering has an interdisciplinary program in nanotechnology. The successful candidate will interact across departments in the College of Engineering. Applicants must have an earned doctorate in Materials Science and Engineering or a closely related field.

The Department, the College of Engineering, and the University of Utah are committed to excellence in both education and research. The successful candidate must have a strong commitment to teaching at the undergraduate and graduate levels. Demonstrated success in teaching at the undergraduate level will be highly valued. The candidate will be expected to contribute to education at the undergraduate and graduate levels and establish an independent, externally funded experimental research program in nanoscience, nanotechnology, and/or biomaterials.

Applicants should include the following documents and information with their letter of application: a detailed resume, a list of publications, a clear and concise statement of teaching (undergraduate and graduate) and research interests and objectives, and three professional references including complete mailing addresses, telephone numbers, and e-mail addresses. Nominations of prospective candidates from respected experts in the field are encouraged. Applicants who are currently faculty at other academic institutions should also include evidence of prior success in research and teaching. This information should be sent to the MSE Faculty Search Committee Secretary, 122 South Central Campus Drive #304, Salt Lake City, UT 84112-0560. Evaluations of applications will begin **December 2007** and will continue until the position is filled.

The University of Utah is an Equal Opportunity, Affirmative Action employer, encourages applications from women and minorities, and provides reasonable accommodation to the known disabilities of applicants and employees.

JOINT FACULTY POSITION
Computational Materials Science
Northwestern University

Northwestern University is seeking a faculty member in the area of Computational Materials Science. The appointment will be a joint tenure-track position in the Departments of Engineering Sciences and Applied Mathematics (www.esam.northwestern.edu) and Materials Science and Engineering (www.matsci.northwestern.edu) at the rank of assistant professor.

Possible areas of interest include, but are not limited to, molecular dynamics and *ab initio* simulations of biological molecules and biomolecular assemblies, and computational methods for continuum modeling of soft or biological materials.

The candidate must have a PhD or equivalent degree and a solid background in Applied Mathematics, Materials Science, and Computational Methods, as well as prior research experience in Computational Materials Science. Applicants should also have the ability to establish an independently funded, innovative research program and have a strong commitment to teaching. Applicants should be able to teach core and elective courses in both departments. The starting date for this position is September 1, 2008.

To ensure full consideration, applicants should submit their curriculum vitae, research and teaching statements online at www.esam.northwestern.edu by **January 15, 2008** and at least three letters of recommendation to:

Computational Materials Search Committee Chair
 Dept. of Engineering Sciences and Applied Mathematics
 Northwestern University
 2145 Sheridan Road
 Evanston, IL 60208

Northwestern University is an Affirmative Action, Equal Opportunity Employer. Applications from women and under-represented minorities are encouraged. Hiring is contingent upon eligibility to work in the United States.



FACULTY POSITIONS
Advanced Materials and
Nanotechnology
Rutgers, The State University
of New Jersey

The Department of Materials Science and Engineering seeks to fill one or more positions allied with a new interdisciplinary research effort at Rutgers, the Institute for Advanced Materials, Devices and Nanotechnology (IAMDN). We are seeking highly motivated and dynamic candidates with expertise principally in the following five areas:

- **Materials Synthesis**—Novel synthesis materials chemistry techniques for fabricating nano-materials, polymers, and other advanced materials
- **Electronics, Photonics, and Sensors**—Organic-, nano-, and micro-electronics and photonics, multifunctional sensors
- **Energy and the Environment**—Solid state lighting, fuel cells, batteries, solar, hydrogen, catalysis, and green chemistry
- **BioNano**—Biomaterials, nanomaterials, and devices for pharmaceuticals and medicine
- **Atomic Level Imaging and Characterization**—Electron imaging and analysis such as SEM, TEM, STEM, FIB, AFM.

Women and minority candidates are encouraged to apply. Further information about IAMDN, including searches ongoing in other departments, can be found at <http://iamd.rutgers.edu/>.

Review of applications will begin **November 15, 2007** and continue until all positions are filled. Tenure-track appointments at the Assistant Professor level are favored, though higher rank may be possible. Applicant submissions must include the following five items: (1) CV, (2) a detailed research vision and goals statement, (3) a one page teaching philosophy statement, (4) three references with contact information, and (5) a cover letter explaining their interdisciplinary ambitions (including preferred/sensible departmental affiliations and rank) Send submissions to:

Prof. Richard Lehman
 Search Committee Chair
 Dept. of Materials Science and
 Engineering
 Rutgers, The State University of
 New Jersey
 607 Taylor Road
 Piscataway, NJ 08854

*Rutgers is an Affirmative Action/
 Equal Opportunity Employer*

Positions Available

POSITIONS AVAILABLE
College of Engineering
Alfaisal University
Riyadh, Saudi Arabia

Alfaisal University is a private, not-for-profit, research university, comprising the Colleges of Engineering, Science and General Studies, Medicine, and Business, and will commence its programs in Fall 2008. The language of instruction is English and modern learning outcomes, paradigms, and technologies are used. The university was founded by King Faisal Foundation along with organizations such as Boeing, British Aerospace, Thales, and King Faisal Specialist Hospital & Research Center, who serve on its Board of Trustees.

The College of Engineering will offer undergraduate and graduate programs in the following disciplines and subdisciplines: **ELECTRICAL** (power, communications, signal processing, electronics, photonics); **COMPUTER** (intelligent systems, language and speech, computer systems, computation); **MECHANICAL** (applied mechanics, product creation); **AEROSPACE** (thermo/fluid systems, aerospace systems, transportation, system dynamics and control); **MATERIALS** (materials processing, materials properties and performance, polymers, nanoscience and technology); and **CHEMICAL** (catalysis, reactor design, design-systems, polymers). All programs have been developed by renowned scholars from leading universities in the US and the UK, and are designed to be qualified for accreditation according to US and UK standards and requirements.

Alfaisal Engineering seeks candidates for the following positions, commencing in August 2008:

- **Founding Senior Faculty** (with instructional, research, and administrative responsibilities)
- **Research Scientists** (academics with research focus)
- **Lecturers** (academics with instructional focus)
- **Post-Docs** (Doctorate degree holders with research focus)
- **Instructors** (Masters degree holders with instructional focus)
- **Engineers** (Bachelors degree holders)

Attractive salary and start-up support is provided. Queries and applications should be sent to engnr_recruiting@alfaisal.edu. The subject line should specify the discipline, subdiscipline, position, and the advertisement reference. The deadline for applications is **31 December 2007**. Interviews for leading positions will be conducted in January and February 2008 in Cambridge, MA, USA, and Cambridge, England, UK.



ASSOCIATE PROFESSOR POSITION
Department of Mechanical and Aerospace Engineering
School of Engineering and Applied Science
Princeton University

The Department of Mechanical and Aerospace Engineering and the Princeton Institute for the Science and Technology of Materials invites applications for a tenure-track assistant professor position in the general area of experimental Material Science, Materials Engineering, and/or Mechanics. A PhD degree in Material Science and Engineering, Applied Physics, or a related area is required. An outstanding research record and a strong commitment to teaching are essential.

Applications will be accepted until the position is filled. Applicants should send their vitae, including a list of publications and presentations, a summary of research accomplishments, a 5-page statement of research and teaching plans, and the names and addresses of at least three potential references to:

Professor Alexander J. Smits, Chair
 Attn: Faculty Search Committee
 Department of Mechanical and Aerospace Engineering
 D-218 Engineering Quadrangle
 Princeton University; Princeton, NJ 08544-5263

For general application information and how to self-identify, see <http://web.princeton.edu/sites/dof/ApplicantsInfo.htm>. You may apply online at <http://jobs.princeton.edu>. We strongly recommend that all interested candidates use the online application process.

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

RESEARCH SCIENTIST
Nanoscience and Nano-Technology
Naval Research Laboratory

The research scientist selected for this employment opportunity will join a diverse research group consisting of experimental and theoretical physicists, mathematicians, chemists, and electrical and mechanical engineers. The group's research interests include new nano-fabrication approaches using thin film materials for the realization of large systems of coupled nano-mechanical resonators, measurement and modeling of their dynamic mechanical, elasto-optic, and transport properties, and exploitation of such systems for new device technologies.

Candidates should apply who have a strong background and interest in the area of nano-science and nano-technology, particularly as related to the design and conduct of state-of-the-art measurements related to the fundamental elastic, elasto-optic, and transport properties of existing, emerging, and future nano-structures. Problems of current interest include: design, fabrication, and experimental characterization of special materials (currently silicon and diamond films) implemented as large arrays of coupled nano-mechanical resonators; development of the new experimental techniques required to measure both the individual and collective behavior of such structures; the study of acoustic band formation and long-range propagation of elastic excitations in these systems; optical pumping and thermal-elastic drive techniques to selectively excite the resonators in the array in ways that allow measurement of the parameters that control the response of the array; elastic, transport, magneto-transport, and calorimetric measurements at low and ultra low temperatures in these nano-structures; the development of sensor and signal processing technologies which would enable the realization of very high count distributed sensor systems; and based on this knowledge, the design of devices for fabrication on a CMOS foundry using CAD-based tools.

This position will be filled at Career Level III (Equivalent to GS-11-13). Salary will be determined based upon selectee's background, experience and market considerations. Announcement opens **November 01, 2007** and closes **November 30, 2007**.

Applicants are encouraged to visit the websites. For those applicants with status (i.e., current government employees on a competitive career or career-conditional appointment, reinstatement eligibles, Veterans Employment Opportunities Act eligibles, etc.), apply to Vacancy Announcement Number NE7-0806-03-K9642133-I. For applicants without status, apply to Vacancy Announcement Number NE7-0806-03NRL0721-DE.

Follow instructions regarding How to Apply for each available at <https://chart.donhr.navy.mil> and click on search for jobs, type in Announcement number, and press enter to obtain qualification information and instructions on how to apply.

The Naval Research Laboratory is an Equal Opportunity Employer.

Positions Available

**RESEARCH CHAIR
Magnetic Nanostructures
Simon Fraser University**

The Physics Department at Simon Fraser University (www.sfu.ca/physics) invites applications for a Tier 2 Canada Research Chair in Magnetic Nanostructures (www.sfu.ca/physics/general/index.html#emplyNews). The appointment will be at the assistant or associate professor level, depending on experience and subject to final budgetary approval. The successful candidate will be an individual of outstanding background and exceptional promise who will establish a vigorous independent research program that complements our existing strengths in magnetism, semiconductors, and strongly correlated electron systems. SFU's 4D Labs (www.4Dlabs.ca) has world-class facilities for synthesis, characterization, nanoimaging, and nanofabrication, and candidates must demonstrate a clear vision of how their leadership would strengthen research within this facility. The Research Chair comes with a reduced teaching load; nevertheless, candidates must evince a strong commitment to undergraduate and graduate teaching.

Applicants should submit a curriculum vitae, publication list, and short statement of research and teaching interests; please submit either electronic or hard copy versions but not both. Candidates should arrange for three letters of recommendation to be supplied in confidence. All correspondence should be directed to Prof. Barbara Frisken, Chair, Department of Physics, Simon Fraser University, 8888 University Drive, Burnaby BC Canada V5A 1S6 or phys-search@sfu.ca to arrive no later than **December 1, 2007**.

Simon Fraser University is committed to employment equity and encourages applications from all qualified individuals, including visible minorities, aboriginal people, and persons with disabilities. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. Under the authority of the University Act, personal information that is required by the University for academic appointment competitions will be collected (www.sfu.ca/vpacademic/Faculty_Openings/Collection_Notice.html).

**ASSISTANT PROFESSOR
Energy Technology
Berkeley Nanosciences and Nanoengineering Institute
University of California, Berkeley**

The Berkeley Nanosciences and Nanoengineering Institute (BNNI) at the University of California, Berkeley solicits applications for a tenure-track position of Assistant Professor beginning in Fall 2008. Candidates are sought in the fields at the intersection of nanoscale science and engineering with implications for energy technology.

Candidates from all departments are welcome to apply. Full attention will be given to applications received before **January 15, 2008**. Details of the solicitation and the application submission process can be found at <http://nano.berkeley.edu/job/job.html>.

The University of California is an Equal Opportunity/Affirmative Action Employer.

**INTERDISCIPLINARY FACULTY POSITIONS
Electrical Engineering
University of California at Riverside**

The Department of Electrical Engineering at the University of California at Riverside invites applications for one or more tenure-track and/or tenured faculty position(s) at all levels starting in the 2008/09 academic year. Applicants should have earned a PhD degree in Electrical Engineering or a related field. Interdisciplinary candidates are sought in areas of Electronic Materials, Nano/Energy, NEMS, Transportation, Bio and Medical imaging, Biosystems, RF/microwave/antennas/sensors, High-performance computing, Computer Engineering, and Networked control.

Details and application materials can be found at www.engr.ucr.edu/facultysearch. The search committee will review applications beginning on **January 1, 2008**, and will continue to receive applications until the positions are filled.

EEO/AA employer.



**DIRECTOR
Micro/Nano Fabrication Laboratory
Princeton University**

We have an opening for a position to manage the 100-user micro/nano-fabrication facility, which is part of Princeton University's Institute for the Science and Technology of Materials (PRISM). Lab information is available at http://www.prism.princeton.edu/PRISM_cleanroom/fabrication.htm.

Specific Duties:

- Responsible for 24/7 operation including safety.
- Manage daily operations, personnel, and operating budget.
- Help plan and oversee facility expansions and renovations.
- Responsible for evaluation, selection, and acquisition of new equipment and equipment upgrades and repairs.
- Negotiate and manage purchase and vendor agreements.
- Train undergraduate and graduate students.

Essential Qualifications:

- PhD degree in Electrical Engineering, Chemical Engineering, Physics, or Materials Science with at least five years of research experience in a micro/nanofabrication facility.
- Must be skilled in all aspects of semiconductor processing, including lithography, plasma etching, thin film deposition, thermal, and wet chemical processing.
- Know safety and health issues concerning clean room equipment and operation, safety and warning installations, gas cylinder handling, chemical handling, and chemical waste disposal

The successful candidate must have excellent interpersonal skills to work with students, faculty, technicians, industrial collaborators, and vendors; must be a self-motivated leader, and a hands-on person who will work extensively in the lab and with students. Start date is January 1, 2008 or as soon as possible.

Applicants should submit their application online at <http://jobs.princeton.edu> (requisition #0700753). For general application information and how to voluntarily self-identify, please link to <http://web.princeton.edu/sites/dof/ApplicantsInfo.htm>.

Princeton University is an Equal Opportunity/Affirmative Action Employer.

Positions Available



TENURE-TRACK FACULTY POSITION IN ELECTRONIC MATERIALS
Department of Materials Science and Engineering and Department of Electrical and Computer Engineering
The Ohio State University

The Department of Materials Science and Engineering (MSE) at the Ohio State University, in conjunction with the Department of Electrical and Computer Engineering (ECE), invites applications from outstanding candidates for a tenure-track faculty position at the Assistant Professor level. Exceptional candidates may be considered for a higher-level appointment. This position is part of a strategic, interdisciplinary thrust of multiple hires that is designed to blend with existing excellence in the area of electronic materials. The successful candidate will be expected to develop a vigorous, externally funded research program and show leadership and excellence in academic and scholarly activities in the areas of characterization, synthesis, and processing of electronic and functional materials, while taking advantage of the remarkable materials characterization and nanofabrication capabilities at OSU. The candidate will also be expected to demonstrate a commitment to excellent teaching at the undergraduate and graduate levels. The qualifications for this position include a doctorate in Materials Science and Engineering (MSE) or a related field, and a demonstrated record of professional scholarship.

The evaluation of applications will begin immediately, and it will continue until the position is filled. A complete curriculum vitae, research and teaching statements, and list of at least three references can be sent by email to msearch@matcsceng.ohio-state.edu, or sent by mail to:

Prof. Michael J. Mills, Chair
 Electronic Materials Faculty Search Committee
 Taine G. McDougal Professor of Engineering
 Department of Materials Science and Engineering
 The Ohio State University; 2041 N. College Road; Columbus, OH 43210, USA

To build a diverse workforce Ohio State encourages applications from individuals with disabilities, minorities, veterans, and women. EEO/AA employer.

FACULTY POSITION
Department of Electrical Engineering and Computer Science
University of Toledo

The EECS department invites applications for a tenure-track faculty position to begin in Spring 2008 in the area of advanced electronic materials and devices for alternative energy applications. Candidates are sought with expertise in advanced electronic materials and device fabrication/characterization with particular interests in large area electronics and photovoltaics that utilize next generation nanostructured materials and/or thin films. A PhD degree in electrical engineering or a related engineering/scientific discipline is required.

The successful candidate will be expected to (i) establish a self-sustaining, externally funded research program; (ii) teach at all levels and develop new courses in alternative energy devices; (iii) interact with physics faculty in thin film photovoltaics as well as with industry; and (iv) lead or participate in research initiatives on the regional, state, and federal levels including a recently-funded State of Ohio Center for Photovoltaics Innovation and Commercialization.

Applicants for the position should submit curriculum vitae, reprints of selected publications, a narrative describing their research and teaching plans, and goals along with the names and contact information of at least three references. Applications will be reviewed beginning November 1, 2007. The position will remain open until the appointment is made. Application materials should be submitted to:

Dr. Krishna Shenai
 Professor and Chair
 EECS Department - NI2008, MS 308
 University of Toledo
 2801 W. Bancroft Street
 Toledo, Ohio 43606-3390

Inquiries may be addressed to krishna.shenai@utoledo.edu; Phone: 419-530-8196.

The University of Toledo is an Affirmative Action Employer. Women and minorities are encouraged to apply.



FACULTY POSITION
College of Engineering
Boise State University

The College of Engineering at Boise State University seeks one faculty member for a tenure-track opening in Biomaterials. It is anticipated that this position will have a joint appointment in the departments of Biology and Materials Science and Engineering. The successful candidate will make a balanced contribution in both teaching and research, supervise undergraduate and graduate students, and collaborate with existing faculty and local industry to develop and sustain funded research programs. An earned PhD degree in Materials Science & Engineering, Biology, Chemistry, or Physics is required with a sound background in materials science and engineering.

Qualified applicants should send an application including a resume, a statement of research interests, a statement of teaching interests, and contact information for at least three professional references to: Dr. Amy Moll, Materials Science & Engineering, 1910 University Drive, Boise State University, Boise, Idaho, 83725.

Review of applications will begin on **November 15, 2007** and will continue until a qualified applicant pool is established. Boise State University is strongly committed to achieving excellence through cultural diversity. The University actively encourages applications and nominations of women, persons of color, and members of other underrepresented groups.

EOE/AA Institution, Veterans preference may be applicable.

ENDOWED CHAIR IN MATERIALS ENGINEERING
Division of Physical and Materials Science
Tulane University

Tulane University invites applications for the Jung Chair in Materials Engineering, a chaired faculty position in the new Division of Physical and Materials Science. The successful candidate will lead and expand the division's research efforts in novel materials and related devices; develop an internationally recognized, externally funded research program; and collaborate with current research groups in the Department of Physics and possibly other departments at Tulane. Applicants must possess a doctorate in engineering, demonstrated excellence in research and teaching at the senior faculty level, and an outstanding record of research funding and scholarly publications. Application review will begin on **November 15, 2007**. Applicants should submit a cover letter, CV, research plan, and contact information for five references to: Jung Chair Search, Dept. of Physics, Tulane University, New Orleans, LA 70118-5698. Further information can be found at <http://www.physics.tulane.edu>. Inquiries can be directed to Prof. Fred Wietfeldt at few@tulane.edu.

Tulane is an EO/AA employer.