

Positions Available



**Indian
Institute
of Science**

Bangalore, India



POSTDOCTORAL POSITION

The Indian Institute of Science seeks postdoctoral applicants to work in an interdisciplinary research programme between materials and mechanical engineering on nanotribology and high temperature coatings. Suitable candidates will have core expertise in one or more of the following fields: mechanical behaviour of materials, microscopy (TEM, AFM), mechanics modeling, or tribology. Facilities available include nanoindenters, SPMs, FIB, FEG-TEM, SEM, nanotribometers, and excellent computing resources.

Positions are available with immediate effect and carry a monthly remuneration of about Rs 25,000/-.

Applications with a CV and list of three referees may be sent to Professors:

S. K. Biswas at skbis@mecheng.iisc.ernet.in
V. Jayaram at qjayaram@materials.iisc.ernet.in

www.iisc.ernet.in

**FACULTY POSITION
Experimental Condensed Matter Physics
The University of Virginia**

The Department of Physics of the University of Virginia invites applications for a faculty position in experimental condensed matter physics, at the tenure-track assistant professor level starting in the Fall semester of 2009. Candidates must have a PhD degree or equivalent in Physics or related field, postdoctoral experience, an outstanding research record, and an aptitude and commitment to teach at both undergraduate and graduate levels. Candidates with outstanding records in all forefront areas of experimental condensed matter physics are encouraged to apply. Examples of these areas include strongly correlated systems, nanoscopic physics, molecular electronics, and soft condensed matter physics. The successful candidate is expected to establish a world-class research program that adds significantly to the department's strengths in condensed matter physics while at the same time interfacing with existing programs.

Applications received on or before **December 30, 2008** will be given full consideration; however, the position remains open to applications until filled. Interested candidates are to submit a curriculum vitae along with their publication record, a one page (minimum) or two page (maximum) summary of research and teaching interests at <https://jobs.virginia.edu/applicants/Central?quickFind=55546>.

Four letters of references are to be sent directly to phys-cmp-exp-pos@virginia.edu or to Experimental CMP Search, Department of Physics, University of Virginia, P.O.B. 400714, Charlottesville, VA 22904-4714. For information on our department, please visit our website at <http://www.physics.virginia.edu>.

The University of Virginia is an equal opportunity, affirmative action employer. Women and underrepresented minorities are strongly encouraged to apply.

**FACULTY POSITION
Department of Materials Science
and Engineering
Drexel University**

The Department of Materials Science and Engineering at Drexel University is seeking applications for a tenure/tenure-track faculty position. This position will be offered at a rank commensurate with the qualifications of the applicant. Primary consideration will be given to candidates with areas of expertise in materials for energy conversion and storage. Exceptional candidates in other areas in line with current strengths of department (nanomaterials, biomaterials, advanced materials design and processing, polymers, and electronic materials), will also be considered.

The application should include resume, research and teaching plans, and three recommendation letters. Please mail your information to Faculty Search Committee, Department of Materials Science and Engineering, Drexel University, Philadelphia, PA 19104, or fax to 215-895-6760.

Drexel University is an equal opportunity employer and encourages applications from qualified women and minorities.



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

The Department of Materials Science and Engineering seeks to fill a faculty position allied with a new interdisciplinary research effort at Rutgers, the Institute for Advanced Materials, Devices and Nanotechnology (IAMDN, see <http://iamd.rutgers.edu/>). Existing research strengths within IAMDN include energy conversion and storage, photovoltaics, organic electronics, biomimetics and nanomedicine, and applied superconductivity. Candidates are sought who compliment these strengths and bring new expertise in one or more of the following areas:

- Nanomaterials synthesis, fabrication, and processing
- Organic-inorganic interfaces
- Nanocharacterization using electron microscopy or scanning probe microscopy
- Photonics or optical spectroscopy
- Materials modeling (continuum, atomistic, first principles, or multi-scale)

Review of applications will begin **November 1, 2008** and continue until the position is filled. A tenure-track appointment at the Assistant Professor level is favored, though a higher rank may be possible. Applicant submissions to the address below 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).

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

We seek an intellectually diverse faculty, consequently we welcome applications from all individuals. We encourage women, transgendered persons, and persons in traditionally underrepresented minorities to apply in accord with the Rutgers policy of equal opportunity/affirmative action.

Positions Available

DIRECTOR
Center for Nanoscale Science and Engineering

NDSU

North Dakota State University

North Dakota State University seeks a Director for the NDSU Center for Nanoscale Science and Engineering (CNSE). This position provides leadership to the Center currently comprised of 60 full-time staff and \$18M in grant and contract expenditures. Established in 2002, the Center for Nanoscale Science and Engineering conducts large-scale multidisciplinary research for government and industry. Located in a 77,000ft² state-of-the-art research facility in the NDSU Research & Technology Park, CNSE's research and development activity includes wireless miniaturized electronics design and prototype fabrication, research on polymeric and hard protective coatings, and on materials for electronics and energy conversion.

Reporting to the Vice President for Research, Creative Activities, and Technology Transfer, the Director is responsible for all internal aspects of the operation and external relations with stakeholders including funding agencies and project partners. General management functions include finance and administration, human resources, including talent attraction and retention, project supervision, and optimization of CNSE resources. This position will actively promote CNSE's extraordinary capabilities in order to develop long term relationships and sustainable productive programs. The Director will lead this effort by creating and implementing a strategy to grow and leverage the capabilities of CNSE.

For further information about the Center for Nanoscale Science and Engineering, visit www.ndsu.edu/cnse.

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

NDSU is an equal opportunity institution. NDSU does not discriminate on the basis of race, color, national origin, religion, sex, disability, age, Vietnam Era Veterans status, sexual orientation, marital status, or public assistance status.

POSTDOCTORAL RESEARCH ASSOCIATE
Center for Functional Nanomaterials
Brookhaven National Laboratory

BROOKHAVEN
NATIONAL LABORATORY

The Center for Functional Nanomaterials at Brookhaven National Laboratory seeks to fill a Postdoctoral Research Associate opening in the area of nanomaterials, such as Si, Ge, and oxides, as anodes or cathodes in Li-ion batteries. Requires a PhD degree in materials science, electrochemistry, or a closely related field. The successful candidate will synthesize these nanomaterials by CVD and/or wet-chemistry methods and characterize them by electrochemistry and microstructure measurements. Collaboration with a BNL battery team is expected. Under the direction of W. Han, Center for Functional Nanomaterials.

When applying for this position, please include the names of three references along with your CV. Go to www.bnl.gov, click on Job Opportunities, and then Search Job List to apply for this position. **Please apply to Job ID# 14610.**

Brookhaven National Laboratory is an equal opportunity employer committed to building and maintaining a diverse workforce.

Associate and Full Professor Positions

The Department of Biomedical Engineering at Texas A&M University invites applications for tenured faculty positions at the Associate and Full Professor levels. The department has experienced rapid growth over the past few years and now has 19 full-time faculty members, primarily in the areas of Biomaterials, Biomedical Imaging, Optical Sensing, and Cardiovascular Mechanics and Mechanobiology. The department enjoys close collaborations with the Texas A&M Colleges of Medicine and Veterinary Medicine as well as the new Texas Institute of Preclinical Studies and Texas Institute of Genomic Medicine, and will move into the new \$100 Million Emerging Technology and Economic Development Building, which breaks ground in 2009. Exceptional candidates with a Ph.D. in Engineering, or equivalent, are sought with particular interest in areas such as soft biomaterials, micronanotechnology, medical devices, computational and systems biology, and neuroengineering. Successful candidates will be expected to develop and sustain an active research program and to contribute to the graduate and undergraduate teaching missions of the department.

Please send curriculum vita and a list of three references by either electronic or postal mail to the following: Jay D. Humphrey, Ph.D., Search Committee Chair, c/o Chanille Dunbar, Department of Biomedical Engineering, Texas A&M University, 337 Zachry Engineering Center, 3120 TAMU, College Station, TX 77843-3120
Email: cdunbar@bme.tamu.edu

**SENIOR FACULTY POSITION
IN CHEMISTRY**
Department of Chemistry
MOLECULAR DESIGN INSTITUTE

The Department of Chemistry and the newly established Molecular Design Institute (MDI) at New York University invites applications for a tenured Associate or Full Professor faculty appointment in supramolecular materials chemistry, preferably with expertise in synthetic organic or polymer chemistry. The anticipated start date is September 1, 2009, pending budgetary and administrative approval. The appointee will play an active role in the development of the MDI, an initiative within the Department of Chemistry that is part of the continuing expansion of faculty and facilities in Arts and Science at New York University. Candidates should have an established record of excellence in research and teaching.

All correspondence should be sent to **Professor Marcus Weck, Chair, Faculty Search Committee, Department of Chemistry, New York University, 100 Washington Square East, New York, NY 10003.** Screening of applications will begin **October 13, 2008**, and will continue until the position is filled. Applicants are welcome to visit <http://www.nyu.edu/pages/chemistry> for more details.



NEW YORK UNIVERSITY

NYU is an Equal Opportunity/Affirmative Action Employer.

Positions Available

FACULTY POSITION Condensed Matter Physics Wake Forest University

The WFU Physics Department (<http://www.wfu.edu/physics>) invites applications for a tenure-track position at the Assistant or early Associate Professor level to begin in August 2009. Candidates from all areas of condensed matter physics (both experimentalists and theorists) are encouraged to apply. Excellence in undergraduate and graduate teaching of physics and establishment of an independent research program with external funding will be expected. Applicants with cutting-edge research interests who can complement and utilize ongoing departmental research efforts and facilities dedicated to basic energy sciences at the interfaces of nanoscience, optical physics, material design, and biophysics are especially encouraged. Wake Forest is a highly ranked, private university with 4400 undergraduate and 2400 graduate and professional school students.

Applications should include a CV, a Philosophy of Teaching Statement, a Research Plan, and the names and contact information of at least three references. Submit applications by mail to Chair, Search Committee, Department of Physics, Wake Forest University, Winston-Salem, NC 27109-7507 or by e-mail (in PDF format) to wfuphysrecruit@lists.wfu.edu. Consideration of applications will begin on **October 15, 2008**, and continue until the position is filled. For more information, see <http://www.wfu.edu/physics/recruiting/index.html>.

An equal opportunity/affirmative action employer

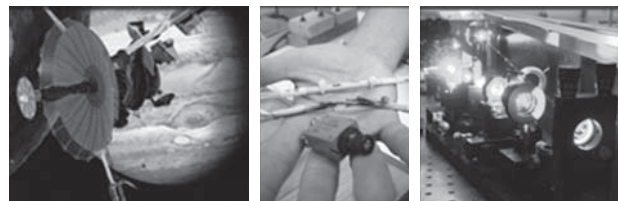
GRADUATE STUDENT POSITIONS Laser-Assisted Nano-Engineering Lab University of Nebraska-Lincoln

The Laser-Assisted Nano-Engineering Lab at the University of Nebraska-Lincoln is seeking PhD and MSc students in the areas of laser material processing and advanced carbon nanostructures. Prospective candidates should have a strong academic record and solid background in one or more of the following fields: polymer chemistry, organic chemistry, materials science, laser chemistry, laser-material interactions and processing, or a related field. The positions are available immediately. Submission deadline is **December 15, 2008**. Applications with a CV should be sent to Dr. Yunshen Zhou preferably by e-mail at yzhou5@unl.edu. Further information is available at <http://lane.unl.edu>.

EOE/AA

TENURE-TRACK POSITIONS

Department of Electrical and Computer Engineering



The Department of Electrical and Computer Engineering, University of Utah, Salt Lake City, seeks applications to fill at least two tenure-track positions at the assistant, associate, or full professor level for an interdisciplinary research cluster in **Micro and Nanosystem Integration and Packaging**. We are particularly interested in candidates with backgrounds in electronic micro/nano-system integration and packaging, biocompatible materials and packaging, solid state devices, reliability, testing, and micro/nano system modeling and simulation. Information on department research activities and curricula may be found on the web at www.ece.utah.edu. The web site also has information on five more positions available in the department, including a Chair search. Information on the College of Engineering can be found at www.coe.utah.edu. Successful candidates will conduct research with tenure-track appointments in the Department of Electrical and Computer Engineering, but may also be appointed in other departments such as Materials Science, Bioengineering, or Mechanical Engineering. Suitable candidates may be considered for joint appointments with the College of Science or the Medical School at the University of Utah.

These positions are part of the **Utah Science, Technology and Research Initiative (USTAR)**, which was funded by the Utah State Legislature to attract focused teams of outstanding researchers who have the potential to help build major research programs and create new technology that can ultimately lead to commercial products and/or new industries for Utah. The USTAR initiative is also supporting a new interdisciplinary building which will house a new nanofabrication laboratory and characterization facilities that will cater to solid state devices, MEMS, sensor and packaging research and development, as well as the handling of biomedical samples. The building will facilitate communication for researchers such as the ones hired under this solicitation, from engineering, sciences, and the medical school, as well as offering lab access for selected industrial stakeholders. Information on the USTAR initiative can be found under www.ustar.utah.gov. Candidates for this initiative should have a demonstrated track record of successful, funded projects and an interest or track record in technology commercialization, entrepreneurial, or industrial experience.

The positions are also associated with and partially supported by the **Fraunhofer Institute for Reliability and Microintegration IZM**, and leverage a strong collaborative and international research program with a Fraunhofer IZM branch laboratory in Utah. Fraunhofer support includes in-house access to Fraunhofer infrastructure, know-how, and resources. Selected positions may be associated with joint Fraunhofer appointments, possibly at a center director's or co-director's level.

Résumés with names, contact information for at least three references, and statements for research and teaching goals should be sent to:

Ms. Debbie Sparks, USTAR Faculty Search Committee
University of Utah, Electrical and Computer Engineering Department
50 South Central Campus Drive, Room 3280
Salt Lake City, UT 84112-9206

Email applications are accepted at dsparks@ece.utah.edu. Applications will be reviewed starting September 1, 2008, and will be accepted until the positions are filled.

Faculty responsibilities include developing and maintaining an internationally recognized research program, effective classroom teaching at the undergraduate and graduate levels, and professional service. Applicants must hold a PhD degree by the time of appointment. 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 is an AA/EO employer, encourages applications from women and minorities, and provides reasonable accommodations for known disabilities of applicants and employees.

Positions Available



www.engr.uconn.edu



Faculty positions Sustainable Energy



Fuel Cells, Energy Conversion and Storage, Alternative Energy and Fuels, Power and Energy Harvesting

Endowed Chair Professor ■ Full Professor ■ Associate Professor ■ Assistant Professor

The School of Engineering at the University of Connecticut (UConn) invites applications and/or nominations for multiple faculty positions that will form the core of an interdisciplinary, integrated team working in the strategic areas of sustainable energy with emphasis on fuel cells, energy conversion and storage, alternative energy and fuels, power and energy harvesting. The team will comprise qualified faculty at all ranks: Endowed Chair Professors, Full Professors, Associate Professors and Assistant Professors. Applicants must have a PhD degree in engineering or a related physical science discipline, as well as a demonstrated record of research in sustainable energies and related technologies. It is expected this scholarly record will be outstanding and commensurate with rank. Academic appointment will be aligned with one of the School's five departments (Chemical, Materials & Biomolecular; Civil & Environmental; Computer Science & Engineering; Electrical & Computer Engineering; or Mechanical). Qualified candidates may be considered for tenured positions. A number of endowed chair positions are available at the rank of Full Professor; qualified candidates will be considered for these positions.

This sustainable energy team will conduct visionary research, education and outreach related to a new **Eminent Faculty Initiative in Sustainable Energy** established at UConn. Research and related activities will primarily be centered within the School of Engineering's Connecticut Global Fuel Cell Center, a research hub that will coordinate the sustainable energy initiative. The initiative is sustained by a permanent allocation of more than \$2M annually from the State of Connecticut, supplemented by \$4M in seed funding from private industry and other sources.

The UConn School of Engineering has enrollments of 1,800 undergraduate and 475 graduate students. Among the 115 faculty members are two members of the National Academy of Engineering, one member of the National Academy of Sciences, 18 chief editors and 50 associate editors and editorial board members of prestigious technical journals, as well as 45 Fellows of professional societies. The School has 10 Endowed Chairs and Named Professorships. Faculty members have also garnered 30 national Young Investigator awards.

UConn is in the midst of a 20-year, \$2.3 billion initiative to enhance the research and teaching infrastructure, and is consistently rated (i.e., *U.S. News* – America's Best Colleges) as the top public university in New England. Connecticut is home to 26 Fortune 500 companies and the School of Engineering has developed strong research and educational partnerships with leading firms such as United Technologies, Electric Boat, FuelCell Energy, GE, Northeast Utilities and Stanley Works, among others.

Applications or nominations, including curriculum vitae and names and contact information of five references, should be sent to:

Chair, Eminent Faculty Search Committee
Office of the Dean
School of Engineering
261 Glenbrook Road
Storrs, CT 06269-2237

Electronic submission in PDF format is encouraged. All communications are to be sent to efsc@engr.uconn.edu.

Review of applications will begin immediately, and will continue until the positions are filled. We encourage applications from under represented groups, including minorities, women, and people with disabilities.

The University of Connecticut is an Equal Opportunity, Affirmative Action employer.

Positions Available

**ENERGY POSITION
School of Materials
Arizona State University**



The School of Materials (SOM) at Arizona State University is seeking excellent candidates for a tenure-track faculty position at the assistant/associate professor rank, who will carry out fundamental materials research in a field broadly connected to energy generation, conversion, or storage. Example topics include: phenomena connected with direct energy generation through next-generation photovoltaic cells, or through biology or biomimicry; electrochemistry related to fuel cells or energy storage; and the study of charge and heat transport related to thermoelectrics materials, particularly in nano-structured materials.

Successful candidates will be expected to develop and maintain internationally recognized, externally-funded research programs appropriate to rank, teach at the undergraduate and graduate levels, and participate in service activities in the department, college, and university. Strong preference will be given to candidates whose research will focus on questions of basic science. A PhD degree in Materials Science and Engineering, Physics, Chemistry, or related area is required.

The SOM is an interdisciplinary school in both the Fulton School of Engineering and the College of Liberal Arts and Sciences. ASU is a Research I University with outstanding research facilities and infrastructure support. It is home to the John M. Cowley Center for High Resolution Electron Microscopy and has outstanding facilities for materials synthesis, fabrication, and characterization within the Centers for Solid State Electronics and Solid State Science, the Arizona Biodesign Institute, and the Flexible Display Center.

Interested candidates must send a complete application consisting of a cover letter, curriculum vitae, statement of research and teaching plans, and contact information for three references (postal and email address and phone number) to Prof. Mark van Schilfgaarde, School of Materials, Arizona State University, PO Box 878706, Tempe, AZ 85287-8706 or mark.vanschilfgaarde@asu.edu. Applications will be reviewed beginning **October 30, 2008** and if not filled, reviewed the 15th and 30th of each month until the search is closed.

Arizona State University is an affirmative action, equal opportunity employer committed to excellence through diversity. A background check is required for employment.

**RESEARCH FACULTY POSITION
Department of Materials Science and Engineering
Carnegie Mellon University**



The Department of Materials Science and Engineering at Carnegie Mellon University seeks to fill a Research Faculty Position in the area of materials characterization. The successful candidate must have a PhD degree in Materials Science, Physics, Chemistry, or a closely related field, and must demonstrate extensive expertise in the area of materials characterization, including both transmission electron microscopy (TEM) and scanning electron microscopy (SEM), and the underlying theory of electron scattering and image formation.

The candidate should ideally be capable of creating and managing funded research programs, collaborating with other research groups, establishing industrial relations, advising/teaching students and postdoctoral researchers as appropriate, and establishing an international reputation for his/her research accomplishments through publications and lectures. The candidate will be expected to participate actively in the daily operations (STEM, HRTEM, OIM, EDS/WDS, EELS, FIB, etc.) of the J. Earle and Mary Roberts Materials Characterization Laboratory. The candidate should have good interpersonal as well as oral and written communication skills.

Qualified candidates should send the following three items as electronic attachments (PDF format only) in a single email message to **microscopy-search@andrew.cmu.edu**:

- a one page letter of application, including research interests;
- curriculum vitae, including publication list and names of three references;
- copies of three recent and pertinent publications.

Please reduce the PDF file size as much as possible and place your full name in the email subject line. Review of applications will be ongoing.

CMU is an Equal Opportunity/Affirmative Action employer committed to building a diverse faculty; women and minorities are strongly encouraged to apply for this position.



**TENURE-TRACK FACULTY POSITION
Chemical Engineering and Materials Science
Stevens Institute of Technology**

The Department of Chemical Engineering and Materials Science (CEMS) at Stevens Institute of Technology announces a tenure-track faculty opening in Materials Science and Engineering with an earliest possible starting date of January 1, 2009. CEMS is a research-active department at Stevens with substantial strength in chemical and biological microsystems, polymers, biomaterials, nanoenergetics, and photonic sensing and imaging. Annual research expenditure in the department is about \$3M.

Applicants should have a PhD degree in Materials Science and Engineering or a related discipline. While all relevant areas will be considered, preference will be given to candidates with research interests and expertise in biomaterials or pharmaceutical materials science. Successful applicants will be expected to develop strong extramurally funded research activities and show a clear commitment to both graduate and undergraduate training in a highly integrated and interdisciplinary environment. The ability to cross-function in chemical engineering education will be a significant plus. Priority will be given to applicants for the rank of Assistant Professor though higher-level appointments will be considered for candidates with an appropriate level of past experience, demonstrated accomplishments, and vision for future achievement.

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

Chair of Faculty Search Committee; c/o Ms. Nancy Webb
Email: nwebb@stevens.edu
Department of Chemical Engineering and Materials Science
Stevens Institute of Technology; 1 Castle Point Terrace; Hoboken, New Jersey 07030

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

Positions Available



ASSISTANT PROFESSOR POSITIONS
School of Engineering and Applied Sciences
Harvard University

The Harvard School of Engineering and Applied Sciences (HSEAS) seeks applicants for openings at the level of tenure-track assistant professors in mechanics in association with all areas of engineering. The ideal candidate will have high expertise in fluid and/or solid mechanics and will also have a demonstrated commitment to significant and innovative applications in engineering.

The position requires a PhD degree in engineering or a closely related field, the ability to develop a leading research program, and enthusiasm for teaching both graduate and undergraduate courses in engineering. Successful candidates will work with HSEAS faculty to develop a curriculum for our ABET-accredited engineering program.

Harvard University is committed to increasing its investment in engineering, as exemplified by the recent reorganization of the engineering program into the School of Engineering and Applied Sciences. New construction of facilities and a substantial increase in the size of faculty are in progress. HSEAS benefits from outstanding undergraduate and graduate students and a collaborative research environment without departmental boundaries.

Applicants should send a cover letter, CV, a statement of teaching interests, a statement of research plans, copies of three publications, and names and contact information for at least three references. These documents should be submitted as pdf attachments to **MECHsearch@seas.harvard.edu**. For full consideration, applications should be received by **15 November 2008**.

Harvard University is an Equal Opportunity/Affirmative Action employer and applications from women and underrepresented minorities are strongly encouraged.

MATERIALS SCIENCE & ENGINEERING



Penn Engineering

TWO FACULTY POSITIONS

The Department of Materials Science and Engineering at the University of Pennsylvania (<http://www.seas.upenn.edu/mse/>) invites applications for both tenure track and tenured faculty positions at all professorial levels. Applications will be considered from outstanding candidates in any emerging area of Materials Science and Engineering. Successful candidates will be committed to excellence in undergraduate and graduate teaching, in particular curriculum development related to nanomaterials. They will also conduct leading edge research programs benefiting from Penn's strong interdisciplinary tradition and multi-school research institutes, including the Nanotechnology Institute and the Institute of Medicine and Engineering, and two NSF-funded centers, a Materials Research Science and Engineering Center and a Nanoscale Science and Engineering Center.

Applications (CV, statement of research and teaching interests, and names of three references) should be submitted online at

<http://www.seas.upenn.edu/mse/jobs>

Applications submitted by mail will not be accepted.

Deadline for submission: December 1, 2008

The University of Pennsylvania is an Affirmative Action/Equal Opportunity Employer

FACULTY POSITIONS
Materials Science and Engineering
Michigan State University



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

Inquiries should be directed to Prof. Phil Duxbury in the Physics/Astronomy Department (duxbury@pa.msu.edu), Prof. Don Morelli in the Engineering College (dmorelli@egr.msu.edu), or to Prof. Jim McCusker in the Chemistry Department (jkm@chemistry.msu.edu). Applications, including a resume, publication list, a description of research plans, and the names of at least four references should be sent to: Complex Materials Search Committee, Department of Physics and Astronomy, Biomedical and Physical Sciences Building (BPS), Michigan State University, East Lansing, MI 48824-2320. Consideration of applications will commence **November 15, 2008** and will continue until the positions are filled.

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

MATERIALS SCIENTIST
International
Specialty Products (ISP)

Senior role, strategic projects. PhD degree in Materials Science, minimum five years industry experience, broad background in experimental techniques required to measure surface and bulk properties. See full description and apply on the Careers page at www.ispcorp.com; Search for Job # 1143.

Place Your Ad Today!

Contact Mary E. Keufold at

724-779-8312

or kaufohl@mrc.org

Positions Available

**POSITIONS AVAILABLE
Center for Nanoscale Energy Related Materials
North Dakota State University**



The Center for Nanoscale Energy Related Materials at North Dakota State University is recruiting for the following positions:

POSTDOCTORAL RESEARCHERS/RESEARCH SCIENTISTS—Posting #0800025

Postdoctoral/Research Scientists (commensurate with level of experience) in the area of **Silane-based Chemistry**. The successful candidates will be responsible for synthesizing and characterizing chemistries related to cyclohexasilane, Si₆H₁₂. New materials to be investigated will include silane-based molecules, oligomers, and polymers.

RESEARCH SCIENTIST/SENIOR RESEARCH SCIENTIST—Posting #0800026

Research Scientist/Senior Research Scientist (commensurate with level of experience) in the area of **Printed Electronic Device Fabrication and Characterization**. The candidate will develop and translate liquid-silane based materials and processes toward the prototype demonstration of functioning electronic devices (e.g., solar cells, ring oscillators) using atmospheric-pressure deposition routes to silicon films.

APPLICATION PROCEDURE

Salaries are competitive and negotiable depending upon experience. For position descriptions, qualifications, and to apply, go to <https://jobs.ndsu.edu> and search openings by posting number.

NDSU is an equal opportunity institution. NDSU does not discriminate on the basis of race, color, national origin, religion, sex, disability, age, Vietnam Era Veterans status, sexual orientation, marital status, or public assistance status.

**FACULTY POSITIONS
Electrical Engineering
Texas State University-San Marcos**



The rising STAR of Texas

The newly established Electrical Engineering program in the Ingram School of Engineering at Texas State University-San Marcos invites applications for the following positions:

Full Professor

Research specialization in micro and nano materials and devices is preferred. Exceptionally qualified individuals may be considered for an Endowed Chair position.

Tenure-Track Assistant Professor

Research specialization in micro and nano materials and devices is desired, with interest in discovery and innovation related to interface-driven devices (bioelectronics, molecular electronics, integrated structured devices, etc.) and in emerging technologies such as multifunctional and multiferroic systems. Exceptionally qualified candidates might be considered for appointment as an associate professor.

Additional information about the positions is available at http://www.txstate.edu/academic-affairs/FacultyEmp/faculty_employment.htm.

Applicants for all positions should submit a cover letter, CV, one-page statement of teaching and research interests, and list of three references to: Dr. Michael L. Casey, Search Coordinator, Ingram School of Engineering, Texas State University-San Marcos, 601 University Drive, San Marcos, TX 78666, or by e-mail to engineering@txstate.edu. The University reserves the right not to proceed with any appointments for financial or programmatic reasons. Review of applications will begin **December 1, 2008**, and continue until positions are filled. Positions start in August 2009.

Texas State University, located in the advanced technology corridor linking Austin and San Antonio, is an AA/EOE that encourages applications from underrepresented minority group members and women.

**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 the Assistant, Associate, and Full Professor levels. Distinguished candidates with outstanding records of achievement will be considered for the Y. Austin Chang Chair in Materials Science and Engineering.

Successful candidates will develop an internationally recognized research program, demonstrate leadership in attracting extramural funding, dedicate themselves to excellence and innovation in both undergraduate and graduate education, and provide service to the profession. We seek outstanding faculty pursuing research in functional ceramics, metals, or polymers, or materials for applications in electronics, energy, biological and health sciences, or nanotechnology.

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 plans for teaching and research in materials science and engineering (each two pages maximum), a curriculum vitae, and three letters of reference. Candidates for tenured positions must provide curriculum vitae, teaching and research statements, and contact information for five references. All materials should be sent electronically to mse.applications@engr.wisc.edu. Review of applications is ongoing and will continue until the positions are filled.

Unless confidentiality is requested in writing, information regarding applicants must be released upon request. Finalists cannot be guaranteed confidentiality.

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