

Positions Available**Faculty Position**

The Department of Electrical Engineering at The Pennsylvania State University, University Park, invites applications for a tenure-track position in the areas of solid-state electronic and photonic device technology. Priority will be given to the candidates at the rank of Assistant Professor, but truly exceptional candidates at other ranks will also be considered. Areas of particular interest include, but are not necessarily limited to, thin-film and large-area devices, organic semiconductor devices, energy conversion devices, heterogeneous integration of electronic, photonic, and biological devices and circuits, and 3-D and low-dimensional devices.

Candidates with outstanding academic credentials, a strong and readily identifiable research record, and interest in teaching at the undergraduate and graduate level are encouraged to apply. Successful candidates will be expected to develop sponsored research programs, initiate and participate in interdisciplinary research activities, show leadership and excellence in academic and scholarly activities. Applicants must have a Ph.D. degree in Electrical Engineering or a closely related discipline.

Applications including detailed professional resume, statement of research and teaching goals, and names of at least four professional references should be sent to: Professor Craig A. Grimes, Chair Faculty Search Committee, The Pennsylvania State University, 129 Electrical Engineering East, Box B-22994, University Park, PA 16802. The files can also be sent in PDF format electronically to: cgrimes@enr.psu.edu. Resumes accepted until position is filled.

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

PENN STATE Making Life Better

**SIGMA-ALDRICH**

**PRODUCT MANAGER
Materials Science
Sigma-Aldrich**

Sigma-Aldrich is a leading Life Science and High Technology company. Our biochemical and organic chemical products and kits are used in scientific and genomic research, biotechnology, pharmaceutical development, the diagnosis of disease, and as key components in pharmaceutical and other high technology manufacturing. We have customers in life science companies, university and government institutions, hospitals, and in industry. Sigma-Aldrich operates in 35 countries and has over 6,800 employees providing excellent service worldwide.

We currently have an opening for a Product Manager, Material Science to develop and implement a strategy for managing the growth of the assigned product line. This position is actively involved in the judicious identification, selection, and commercialization of new products and technologies; develops appropriate promotional, technical, and Web-based materials; interacts with our customers to identify and provide customer-specific solutions to complex problems; and works with our Quality Control department to develop custom analytical and product quality standards to support and increase product sales and profits in accordance with Company objectives.

Our ideal candidate will have a PhD degree with two years experience, MS degree with five years experience, or a Bachelor's degree in Materials Science/Engineering or related field and 10 years experience in materials science, inventory control, and/or purchasing. Experience in strategic planning and/or project management. Excellent organizational skills and proven leadership ability. Requires the ability to effectively communicate both orally and in writing with various levels of internal staff and outside customers.

Sigma-Aldrich offers a highly motivational and rewarding working environment with attractive salary and excellent benefits including Medical, Dental, Pension, 401 (k), Life Insurance, Flexible Spending Accounts, Tuition Reimbursement, and comprehensive Employee Assistance program.

Apply online at www.sigma-aldrich.com or fax your resume to 414-438-4210. Indicate Product Manager, Milwaukee.

Sigma-Aldrich is an Equal Opportunity Employer.



Virginia Microelectronics Consortium (VMC) Chair

The Bradley Department of Electrical and Computer Engineering at Virginia Tech seeks an exceptional candidate in the emerging fields of microelectronics, optoelectronics, micro-electro-mechanical-systems (MEME) and nanotechnology to fill the Virginia Microelectronics Consortium (VMC) Chair position.

Please visit <https://www.jobs.vt.edu> for a complete description of the position and the application process. Search on posting #060921.

Applications from women and other underrepresented populations in engineering are especially encouraged.

Virginia Tech has a program designed to support the retention and advancement of female faculty; see

<http://www.advance.vt.edu/>.

Individuals with disabilities desiring accommodation in the application process should notify K. Atkins, ECE Dept, (540) 231-4136 or TDD/PC-1-800-828-1120 or Voice-1-800-828-1140.

An Affirmative Action/Equal Opportunity Employer.



**FACULTY POSITION
Department of Physics, Astronomy,
and Materials Science
Missouri State University**

The Department of Physics, Astronomy, and Materials Science at Missouri State University seeks applications for a tenure-track assistant/associate professor position, preferably specializing in experimental nano-structured materials and/or devices. A PhD degree in materials science is required. We seek a scientist who will bring significant strengths to the department's research focus, have aptitude for and interest in undergraduate and graduate teaching, establish a high quality research program supported with external funds, and help the department initiate a PhD program in materials science.

Send curriculum vitae, cover letter, teaching interests, research plan, and three reference letters to: Search Committee, Department of Physics, Astronomy, and Materials Science, Missouri State University, Springfield, Missouri 65897. Review of applications will begin **November 1, 2006**. Further information at: <http://www.missouristate.edu/academicopenings>.

Missouri State is EO/AA Employer.

Positions Available

Faculty Position in Materials Science & Engineering at Cornell University

Located in Ithaca, N.Y., Cornell University is a bold, innovative, inclusive and dynamic teaching and research university where staff, faculty, and students alike are challenged to make an enduring contribution to the betterment of humanity.

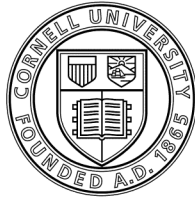
The Department of Materials Science and Engineering at Cornell University anticipates filling several faculty positions over the next few years. For the 2007-2008 academic year, our primary areas of focus are energy-related materials and electronic materials although truly exceptional candidates in all fields of materials research will be considered. Applications from candidates at all levels are welcomed.

Candidates are expected to have or develop an internationally recognized program of research and teaching in materials science and engineering. Considerable institutional resources are available for the support of the successful applicant's research program and a competitive start-up package can be expected. The successful candidate can expect to benefit from associations with Cornell's many interdisciplinary research centers, facilities, and initiatives, which include a number of national resources (for details, see website listed below). The successful candidate will be expected to excel in the teaching of materials science and engineering and to mentor students at both the undergraduate and graduate levels.

The Materials Science and Engineering Department and the College of Engineering at Cornell embrace diversity and seek candidates who will create a climate that attracts students of all races, nationalities and genders. Women and under-represented minorities are strongly encouraged to apply.

Applications including a resume, a statement on teaching and research interests, copies of publications or preprints, and names of several references should be submitted to: **Chair, Faculty Search Committee, Department of Materials Science and Engineering, Cornell University, 214 Bard Hall, Ithaca, New York 14853**

Applications will be reviewed starting November 1, 2006 and will be accepted until this position is filled.



Please visit web site www.mse.cornell.edu/search

Cornell University

*Cornell University is an Affirmative Action/
Equal Opportunity Employer and Educator.*

<http://chronicle.com/jobs/profiles/2377.htm>



**Penn
Engineering**

Faculty Positions

The Department of Materials Science and Engineering at the University of Pennsylvania (<http://www.seas.upenn.edu/mse/>) is continuing to make new faculty appointments over the next few years. This year's search focuses on (a) mechanical behavior of materials and (b) theory and modeling of materials. Outstanding candidates at all levels will be considered. 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 NSF-funded Materials Research Science and Engineering Center and Nanoscale Science and Engineering Center, the state-funded Nanotechnology Institute, and the Institute of Medicine and Engineering.

Applications (CV, statement of research and teaching interests, and names of three references) should be submitted online at www.seas.upenn.edu/mse/fsrch/apply.html. Applications submitted by mail will not be accepted.

Deadline for submission: November 15, 2006.

The University of Pennsylvania is an equal opportunity, affirmative action employer. Women and minority candidates are strongly encouraged to apply.

**FACULTY POSITION
Mechanics, Materials, and Computing
Civil and Environmental Engineering
Carnegie Mellon University**

Carnegie Mellon University's Department of Civil and Environmental Engineering invites applications for a tenure-track faculty position in the area of mechanics, materials, and computing. The opening is at the assistant professor level. However, exceptionally well-qualified applicants may also be considered at the associate professor level.

The successful candidate must have the ability to teach effectively at both the undergraduate and graduate levels within the Department and develop an active and significant research program. The Department is particularly interested in applicants with research focus on multi-scale mechanics of crystalline/granular materials, with particular emphasis on techniques for transferring relevant modeling information from small to large temporal and spatial scales. Candidates with expertise in Molecular Dynamics/Discrete Element modeling along with a demonstrated interest in the development of meso/macroscale models are also encouraged to apply.

The University has a long-standing tradition of interdisciplinary research, and, thus, offers faculty an unusual opportunity to interact with colleagues from other departments. Applicants are required to have a doctorate in engineering. The Department has existing graduate programs in advanced infrastructure systems; environmental engineering, science, and management; and mechanics, materials, and computing, and maintains strong interdisciplinary ties with other programs (<http://www.ce.cmu.edu/>). Review of applications will begin on **September 1, 2006**, and will continue until the position is filled. E-mail inquiries concerning this position may be sent to the Chair of the search committee.

Interested candidates should send a resume, transcripts or a list of graduate courses taken, statement of research and teaching interests, one publication or manuscript, and a list of at least three references to:

Dr. Amit Acharya
Chair of Mechanics, Materials and
Computing Search Committee
Department of Civil and Environmental
Engineering
Carnegie Mellon University
Pittsburgh, PA 15213-3890
E-mail: acharyaamit@cmu.edu

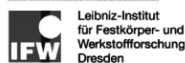
*Carnegie Mellon University is an
EEO/AA Employer, M/F/D/V.*

Carnegie Mellon

Positions Available



PhD and Postdoctoral Positions within the Marie Curie Research Training Network (RTN) on



NanoEngineered Superconductors for Power Applications (NESPA)

Within the RTN NESPA, coordinated by the IFW Dresden and funded by the EU's 6th framework programme, 13 leading universities, research centres and industrial companies from 8 European states offer **15 three-year PhD student positions** and **7 Postdoctoral positions** within the fields of **chemistry, physics, materials science and electrical engineering**. NESPA is focussing on the research topic of the development of high temperature superconductor materials and devices for power applications. Projects in the following research areas are available:

- Nano-engineering of superconducting materials
- Advanced electrical and structural characterization
- New concepts for low ac-loss coated conductors
- Industrial aspects of superconducting power application systems

The activities within these projects will comprise materials preparation, characterization and analysis topics, as well as design and numerical modelling issues.

Successful candidates should have an excellent university degree (master degree or diploma/PhD degree) in one of the research fields of interest, as well as good communication skills and the ability to collaborate closely with people from other disciplines in an international environment.

Applicants are encouraged to send their application by **November 30, 2006**, including a CV, a short statement of research interest within NESPA, and a list of 3 referees to the NESPA coordinator Dr. B. Holzapfel at the IFW Dresden (b.holzapfel@ifw-dresden.de).

For further details on Marie-Curie fellowship requirements and available positions please visit our website at www.nespa.eu.

MichiganTech

TENURE-TRACK FACULTY POSITIONS Materials Science and Engineering Michigan Technological University

The Department of Materials Science and Engineering at Michigan Technological University invites applications for tenure-track faculty positions. Outstanding candidates in all areas of materials science and engineering will be considered for multiple openings at the rank of Assistant, Associate, or Full Professor. Successful applicants will have developed or demonstrate their potential to develop a strong and growing interdisciplinary research program. They will hold a doctoral degree or equivalent, be committed to excellence in scholarship, and enjoy inspiring graduate and undergraduate students to learn and discover.

Michigan Technological University is located in Houghton, a small community in the Keweenaw Peninsula of Lake Superior. The University enrolls approximately 6000 students, 4000 of whom are in the College of Engineering. The nationally ranked Department of Materials Science and Engineering is comprised of 12 faculty members, approximately 100 undergraduates, and 30 graduate students. The Department maintains outstanding laboratory facilities for both research and instruction.

Applicants should send a resume, a description of research and teaching interests, along with names and addresses for three professional references to: Faculty Search Committee Chair, Department of Materials Science and Engineering, Michigan Technological University, 1400 Townsend Drive, Houghton, MI 49931. Applications will be considered until the positions are filled.

Michigan Technological University is an Equal Opportunity Educational Institution/Equal Opportunity Employer and strongly encourages applications from women and minorities.



FACULTY POSITIONS School of Materials Science and Engineering Georgia Institute of Technology

The School of Materials Science and Engineering at the Georgia Institute of Technology is seeking to add several outstanding faculty at all levels in strategic areas of Biomaterials (including biomanufacturing, biomineralization, biosensing, and biomodeling); Computational Materials Science (including advanced simulation techniques for fundamental understanding of materials phenomena, design of materials, predictions of properties, and performance across various length scales); and Nanomaterials (including synthesis, advanced characterization, fabrication of nano devices and systems, and modeling and measurements of properties).

Qualified candidates must hold a PhD degree or equivalent in materials science and engineering, or related science/engineering discipline. The candidates must possess a distinguished record of research accomplishments and publications, and a demonstrated ability to mentor graduate students and develop an innovative research and educational program. Successful candidates will be expected to attract external funding and build a strong sponsored-research program, lead independent research at the cutting edge of their field, and teach undergraduate and graduate courses.

The School of Materials Science and Engineering (www.mse.gatech.edu) boasts diverse expertise of faculty with almost equal shares of expertise in structural, electrical, nano-, and bio-materials. It is the hub of materials related research and education activities at the Georgia Institute of Technology. A number of faculty hold joint appointments in various schools and colleges on campus. Its internationally-recognized faculty led more than a dozen interdisciplinary research centers and programs. The School of Materials Science and Engineering, and the College of Engineering at Georgia Institute of Technology, are amongst the top-ranked programs in the U.S.

Qualified candidates should send a letter of application (via email) including statement of research interest, teaching philosophy, curriculum vitae, copies of three publications, and names and addresses/email/phone numbers of at least three references to:

Chair, Faculty Search Committee
School of Materials Science & Engineering
Georgia Institute of Technology
771 Ferst Drive, Atlanta, GA 30332-0245
Email for enquiries/application submission:
faculty.candidates@mse.gatech.edu

Applications will be considered until the positions are filled.

Georgia Tech is an Affirmative Action/Equal Opportunity Employer. Applications from women and under-represented minorities are strongly encouraged.

EMPLOYMENT AND BUSINESS OPPORTUNITY

If you are interested in:

- participating in the founding of a nanotechnology research and fabrication laboratory for research and development of negative index refraction metamaterials
- participating in the research and development of other commercially interesting target areas of your interest
- participating on an equity level in the company in terms of employee incentive stock options as well as a salary
- Locations in U.S.A., Canada, and the U.K.

Please contact:

Caisey Harlinton; Tel: 44-1263-761-409; Cell: 44-7775-680-608
caiseyh@telus.com

Positions Available



**ANNOUNCEMENT OF OPPORTUNITIES
WVNano Initiative for Nanoscale Science,
Engineering, and Education
West Virginia University**

West Virginia University invites applications for four tenured or tenure-track positions, each serving an integral role in WVNano, WVU's campus-wide nanoscience and engineering initiative (wvnano.wvu.edu). These four hires join a sizeable multidisciplinary group, including five other new faculty that have joined the WVNano group within the past year. The WVNano faculty group spans the physical, engineering, and biomedical sciences and focuses on interdisciplinary discovery in molecular recognition, molecular transport, and device innovation enabled by the interaction and integration of biomolecular and inorganic/semiconductor nanostructures.

The targeted specializations of the four current positions are (1) Structural Biology/Biophysics, (2) Supramolecular Chemistry, (3) Surface Modification, and (4) Active Nanostructure-Based Devices. Interested applicants are directed to wvnano.wvu.edu/opportunities for detailed information on current recruitment activity, application guidelines, and application submission. The appointment for each position will be in the academic department with which the applicant has the strongest disciplinary overlap. Startup resources and extensive shared facilities are available to promote each hire's success.

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. The WVNano Initiative receives major support from NSF, University and State grants, and enjoys participation from the Colleges of Arts and Sciences and Engineering, and the Schools of Medicine and Pharmacy within the Health Sciences Center.

Review of completed applications will begin on **November 1, 2006**. The positions will remain open until filled. 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.

For further information, please contact Lawrence Hornak or Thomas Myers, WVNano Co-directors, Office of the Vice President for Research and Economic Development at wvnano@mail.wvu.edu (queries only). If an alternative form of this announcement is needed, please contact listing above.

**FACULTY POSITION IN NANOMATERIALS SYNTHESIS
Department of Materials Science and Engineering
Northwestern University**

A faculty position in the area of materials synthesis is available beginning September 1, 2007. To complement and supplement the existing strengths in the department, the candidate should have expertise in synthesis of multifunctional nanomaterials, with applications resulting from their electronic, magnetic, optical, or structural properties. Successful candidates should have a PhD degree in engineering or science and will be expected to develop innovative research and teaching programs in an interdisciplinary environment. The position is intended to be offered at the level of Assistant Professor.

Please send electronically, in PDF format, your curriculum vitae, research and teaching plans, and funding history, if applicable, together with the names and email addresses of three references by **December 1, 2006** to: Prof. Katherine T. Faber, Department of Materials Science and Engineering, Cook Hall, Evanston, IL 60208-3108; email to aplymatsci@northwestern.edu.

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

**FACULTY POSITION
Polymer Engineering
The University of Tennessee**

The Department of Materials Science and Engineering at The University of Tennessee invites applications for a tenure-track faculty position in Polymer Engineering at the Assistant Professor level. Applicants must have a PhD degree in Polymer Science and/or Engineering, Materials Science and/or Engineering, or in a closely related area. The successful candidate will have demonstrated research capabilities in polymer engineering and will be expected to develop a program of high quality, externally funded research. Expertise in one or more of the following sub-areas of polymer engineering is desired: electro-optical polymers, nanotechnology, self assembled structures, field responsive materials, biomedical applications, or bio-based materials. Experience in polymer synthesis as a research tool is also desirable. The successful candidate will be expected to perform both independent and collaborative research within the Polymer Engineering program and to teach undergraduate Materials Science and Engineering courses and graduate Polymer Engineering courses.

Applicants should include a curriculum vitae, descriptions of projected research programs and teaching abilities, and the names and contact information (including e-mail addresses) of four potential references to: Dr. Kevin Kit, Chair, Faculty Search Committee, Department of Materials Science and Engineering, 434 Dougherty Engineering Building, The University of Tennessee, Knoxville, TN 37996-2200. Review of applications will begin on **November 15, 2006** and will continue until the position is filled. The University welcomes and honors people of all races, genders, creeds, cultures, and sexual orientations, and values intellectual curiosity, pursuit of knowledge, and academic freedom and integrity. Additional information regarding this position can be obtained at <http://www.engr.utk.edu/mse/>.

The University of Tennessee is an EEO/AA/Title VII/Title IX/Section 504/ADA/ADEA institution in the provision of its education and employment programs and services.

**RESEARCH ASSISTANT PROFESSOR
AND STAFF SCIENTIST
Advanced Electron Microscopy
Northwestern University**

Northwestern University Atomic- and Nanoscale Characterization Experimental (NUANCE) Center (www.nuance.northwestern.edu) has a permanent salaried joint academic research and staff scientist position to manage research and educational efforts associated with the electron probe instrumentation center (EPIC) of the NUANCE Center. EPIC (www.nuance.northwestern.edu/epic) houses an extensive array of scanning, transmission, and scanning transmission electron microscopes with analytical accessories and a suite of specimen preparation capabilities.

The primary responsibilities of this position include operation, user training, and hands-on research in all aspects of advanced transmission electron microscopy, including HREM, HAADF, EELS, IF, and CBED. Ample opportunities exist for development of independent and collaborative research programs. The position can also include teaching and educational component, with considerable opportunities for professional and personal growth.

A PhD degree in sciences/engineering, extensive experience, and evidence of a strong publication record in all aspects of electron microscopy are required. Please send CV and three reference letters electronically to:

Ms. Ruth McCullough, Business Manager
NUANCE Center, Northwestern University
Evanston, IL USA
E-mail: r-mccullough@northwestern.edu

Northwestern University is an equal opportunity employer

Positions Available

FACULTY POSITIONS
Department of Mechanical and Aerospace Engineering
University of California, San Diego

The Department of Mechanical and Aerospace Engineering (<http://maeweb.ucsd.edu>) invites applications for one or more tenure-track or tenured faculty positions at the Assistant, Associate, or Full Professor levels. Successful candidates will be expected to teach undergraduate and graduate courses in Mechanical and Aerospace Engineering and to establish a vigorous extramurally funded research program. PhD or equivalent degree required. Level of appointment commensurate with qualifications; salary based on published UC pay scales.

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:

Search Chair/MRS, UCSD MAE Department
 9500 Gilman Drive, La Jolla, CA 92093-0411

For applicants interested in spousal/partner employment, please visit the UCSD Partner Opportunities Program website at <http://academicaffairs.ucsd.edu/offices/partneropp/>. Inquiries: recruitment@maemail.ucsd.edu. Application deadline: **November 30, 2006**.

UCSD is an Equal Opportunity/Affirmative Action employer with a strong institutional commitment to excellence through diversity.



A. JAMES CLARK
 SCHOOL OF ENGINEERING

FACULTY POSITION
Materials Science and Engineering
University of Maryland

The Materials Science and Engineering Department at the University of Maryland seeks exceptionally qualified candidates for a tenure-track faculty position with research interests related to nano- and/or energy technology. The candidate's activities should take advantage of existing well-recognized expertise in scanned probe characterization, functional materials, nanoscale materials science, and technology. The successful candidate will benefit from dramatic enhancements available on campus in the form of new experimental capabilities and coordinated programs, including high-resolution transmission electron microscopy, a class 100 nanofabrication clean room facility, a cross-campus partnership—Maryland NanoCenter, and the 140,000 square foot Jeong H. Kim Engineering Building. The successful candidate must show superior potential as an educator and researcher in their chosen area of expertise. For best consideration, applications should be received by **December 15, 2006**, though applications will be accepted and considered until the position is filled.

A resume, a statement of research and teaching goals, and the names of four references can be submitted on-line at <https://apra.umd.edu/search.jsp?ID=ENMA000004>. On-line submission of application materials is required.

Questions about the position can be directed to the Chair of the Search Committee:

Prof. Manfred Wuttig
 Materials Science and Engineering Department
 Building 90, Stadium Drive, Rm. 2135
 University of Maryland
 College Park, MD 20742-2115
 Tel: 301-405- 5212; Fax: 301-314-2029
wuttig@umd.edu; <http://www.mse.umd.edu>

The University of Maryland is an equal opportunity/affirmative action employer. Women and minorities are encouraged to apply.

Professor Materials Science/Electronic Materials
University of Erlangen-Nuremberg, Germany

The Department of Materials Science and Engineering invites applications to a tenure faculty position (a "W2-position" in German University salary system) in the field of Electronic Materials.

Candidates shall represent the field of Electronic Materials in research and teaching appropriately. Research should be focussed on preparation and characterization of crystalline electronic materials, e.g. the modern compound semiconductors and solar silicon. The appointment will require teaching at the undergraduate and graduate level of the curriculum of materials science, the elite graduate program "Advanced Materials and Processes" and the neighbouring fields of the Faculty of Engineering. Cooperation with the Department of Crystal Growth of the "Fraunhofer Institut fuer Integrierte Schaltungen" Erlangen is desired.

Applicants should have a strong commitment to teaching. They must have a PhD and outstanding originality and ability demonstrated through research accomplishments. The age must be under 52 at the date of appointment. The University of Erlangen-Nuremberg aims at increasing the number of female faculty members and thus encourages application of women scientists.

Applicants should include a curriculum vitae, their list of scientific publications and documents referring to their academic education and career.

Review of applications will begin on October 31, 2006 and will continue until the position is filled. The position is targeted to be filled on October 1, 2007.

Applications should be sent to the Dean of the Faculty of Engineering, Prof. Dr. A. Leipertz, Erwin-Rommel-Strasse 60, D-91058 Erlangen, Germany.

Friedrich-Alexander-University
Erlangen-Nuremberg



www.uni-erlangen.de

TENURE TRACK POSITION
Department of Chemical Engineering
and Materials Science
University of California, Davis

The Department of Chemical Engineering and Materials Science invites applications for a tenure-track position at the Assistant Professor level in the area of advanced (scanning) transmission electron microscopy ((S)TEM). In the last two years, UC-Davis has made a significant investment in electron microscopy facilities for both the engineering and biological sciences (including three new field-emission (S)TEMs). The current position seeks a candidate to work within this environment who has expertise in the development and application of advanced methods of imaging and analysis in (S)TEM for the engineering sciences, and who has a strong commitment to applying these methods to soft/biological materials.

The successful applicant will be expected to develop an externally funded research program, assist in the routine operation and management of the microscopy facilities, and have a commitment to cross-disciplinary education at both the undergraduate and graduate level. Candidates are expected to have a PhD degree in materials science, physics, chemistry, or related engineering discipline. Applicants should submit a letter of application, curriculum vitae (including list of publications), description of research and teaching plans, and names and contact information of at least three references at <http://www.chms.ucdavis.edu/employment/>. The position is open until filled but to assure full consideration, online applications should be submitted no later than **November 30, 2006**, for a targeted start date of July 1, 2007.

The University of California is an affirmative action/equal opportunity employer.

Positions Available

ASSOCIATE OR ASSISTANT PROFESSOR
Experimental Mechanics of Materials
University of Wyoming

The Department of Mechanical Engineering at the University of Wyoming invites applications for a tenure-track faculty position. Applicants are sought at the Associate or Assistant Professor level with expertise in experimental mechanics and particularly in emerging areas of science and technology. Such areas include but are not limited to the study of biomaterials, tissue engineering, nanomechanics of engineering materials, as well as thin films and multilayers, fracture, fatigue, and damage.

The successful applicant will be expected to establish a strong, funded research program, as well as teach at the graduate and undergraduate levels. She/He will be expected to participate in interdisciplinary research efforts both within and outside the College of Engineering. Minimum qualifications include an earned doctorate in mechanical engineering, materials science/engineering, or a closely related field.

The Department of Mechanical Engineering (www.eng.uwyo.edu/mechanical/) has 11 faculty members and two academic professionals, with a student population numbering around 310. It offers an exceptional educational experience while it continues to strengthen its research productivity.

As the only public four-year institution of higher learning in Wyoming, the University of Wyoming enjoys a distinctive leadership role in the state and region. The main campus is in Laramie, a city of 27,000 people perched in a scenic valley between the Laramie and Medicine Bow Ranges of the Rocky Mountains. A variety of cultural, sporting, and outdoor activities is available. More information about the University can be found at <http://www.uwyo.edu>.

Applicants are requested to send a letter of application, curriculum vitae, a narrative describing their teaching and research plans, as well as contact information of at least three professional references to:

Prof. Demitris Kouris, University of Wyoming
 Dept. 3295, 1000 E. University Avenue, Laramie, WY 82071
 Phone: 307-766-2122

The search committee will begin reviewing applications on **December 1, 2006** and will continue until the position is filled. Submissions via e-mail (kouris@uwyo.edu) will also be considered.

Persons seeking admission, employment, or access to programs of the University of Wyoming shall be considered without regard to race, color, religion, sex, national origin, disability, age, veteran status, sexual orientation, or political belief. Women and minorities are encouraged to apply.

JUNIOR FACULTY POSITION
Chemical Engineering Department
J.B. Speed School of Engineering
University of Louisville

Applications are invited for one or more tenure-track faculty positions in the Chemical Engineering Department at the Assistant Professor level. Successful candidates will teach undergraduate and graduate courses in chemical engineering and will be expected to develop a nationally-recognized, externally funded research program. Preferred research area for one position is advanced materials, with preference given to candidates who can work with the proposed Institute for Advanced Materials. Research area for a second position is open, but preference will be given to candidates who can strongly contribute to the core teaching mission of the department. Candidates should have a bachelor's degree in Chemical Engineering and an earned doctorate, preferably in Chemical Engineering.

Review of applications will begin on **October 1, 2006** and will continue until the position is filled. Applicants must apply on-line at www.louisville.edu/jobs and reference Job ID # 014267. Attach curriculum vitae, addresses of three references, and a brief statement of research and teaching interests.

The University of Louisville is an equal opportunity, affirmative action employer. Minority and female candidates are encouraged to apply.

FACULTY POSITION
Department of Materials Science and Engineering
Johns Hopkins University

The Department of Materials Science and Engineering at Johns Hopkins University invites applications for a tenure-track faculty position. Specific areas of current interest include biomaterials (particularly nanobiotechnology and bioceramics), computational materials science, ceramics, and transmission electron microscopy. Candidates with interests in other areas of materials research will also be considered. Applications from candidates with interdisciplinary interests spanning more than one area are encouraged. Depending on research interests, the position may be associated with research centers such as the recently established Institute for NanoBioTechnology (inbt.jhu.edu) or the Institute for Computational Medicine (www.icm.jhu.edu). Preference will be given to applicants at the assistant professor level, but consideration will also be given to exceptionally qualified candidates at higher ranks.

The successful candidate will be expected to establish an independent, internationally recognized research program and to contribute fully to the undergraduate and graduate educational missions of the department. Applicants should have a PhD degree or equivalent in materials science and engineering or a related field; postdoctoral experience is desirable. Candidates must have demonstrated ability to undertake independent as well as collaborative research. Additional information about the department and this position may be found at www.jhu.edu/~matsci.

All applications should be submitted electronically as a single PDF document to materials@jhu.edu. Applications should include a cover letter describing the principal expertise and accomplishments of the applicant, a complete resumé, statements of research and teaching interest, and the names and contact information for at least three references. For full consideration, applications should be received by **December 15, 2006**. The Department is committed to building a diverse educational environment; women and minorities are strongly encouraged to apply.

The Johns Hopkins University is an EEO/AA Employer.

FACULTY POSITION
Chemistry/Physics
Virginia Military Institute

The Departments of Physics/Astronomy and Chemistry at the Virginia Military Institute invite applications for a full-time interdisciplinary assistant professor position in materials science, beginning in August 2007. A PhD degree in Chemistry, Physics, Materials Science, or related field is required. Applications from candidates with experience in the synthesis, characterization, and application of organic materials to thin film devices are strongly encouraged but all areas of interdisciplinary expertise will be considered. Teaching responsibilities include general courses in chemistry and physics, advanced courses in one's specialty, and direction of undergraduate research.

The position is a joint initiative of the Chemistry and Physics/Astronomy Departments and focuses on undergraduate research as a model for student learning. Both departments have a wide range of modern instrumentation, and together have seventeen full-time faculty. VMI is a state-supported, coeducational, national, liberal arts college of 1300 students with a strong commitment to produce educated, responsible citizens. VMI faculty and students wear military uniforms, but no prior military experience is required.

Applicants should send a vita, three letters of reference, copies of transcripts, a statement of teaching interests, and a description of research interests and goals to: Dr. Judith Cain, Department of Chemistry, Virginia Military Institute, Lexington, VA 24450-0304; cainjb@vmi.edu. Review of applications will commence **31 October 2006** and continue until the position is filled.

VMI is an EEO employer.

Positions Available



BROWN

TENURE-TRACK POSITION IN MECHANICS
Division of Engineering
Brown University

The Division of Engineering at Brown University is seeking to fill a tenure-track position in Mechanics at the assistant professor level. Applications are sought from researchers with interests in experimental, computational, and/or theoretical mechanics. Candidates should have expertise and research interests in the mechanics of structural, electronic, biological, energy materials, or systems that are complementary and synergistic with existing research areas in the Division as described below. The successful candidate is expected to make a significant contribution to the Division's research activities and to build a strong, externally funded research program. The candidate should also have a marked interest in, and demonstrated talent for, teaching in both the undergraduate and graduate programs.

The Mechanics of Solids Group fosters a balanced program of research and instruction that integrates the perspectives of continuum mechanics, structure of matter, and materials science. The program has a long standing tradition of leadership through innovations in the analytical, computational, and experimental concepts and methodologies that form the core of the field. Research areas of particular strength in the Mechanics of Solids Group at Brown include: deformation and failure in thin films; micro-electro-mechanical systems and nanostructures; multiscale materials modeling; experimental mechanics of materials; microstructural evolution in materials processing; and cellular and molecular biomechanics as part of the division-wide program in biomedical engineering. Current focal points for activities in the program are the NSF Materials Research Science and Engineering Center (MRSEC) (www.brown.edu/Departments/Advanced_Materials_Research/) on Micro- and Nanomechanics of Materials and the General Motors Collaborative Research Center on Computational Materials Research. The Group also operates and maintains the state-of-the-art Computational Mechanics Research Facility for use by its graduate students and faculty.

Candidates should send a letter of application, a curriculum vita, and a brief summary of research and teaching interests. Candidates should also provide the names and contact information of five possible references, whom the search committee may contact directly. Electronic applications or expressions of interest are encouraged. The Search Committee will begin reviewing applications on **December 15, 2006**; applications received after that date may not receive full consideration and will continue to do so until the position is filled. For further information, or to apply, write to:

Professor William Curtin, Chair, Solid Mechanics Search Committee
 Brown University, Division of Engineering, Box D, Providence, RI 02912
 E-mail: william_curtin@brown.edu

Brown University is an EEO/AA employer. Minorities and women are encouraged to apply.

POSTDOCTORAL FELLOW
Analytical Microscopy Group
National Renewable Energy
Laboratory (NREL)

The Analytical Microscopy Group at the National Renewable Energy Laboratory (NREL) is a leading research group in the fields of electron microscopy (STEM, TEM, SEM), scanning probe microscopy (AFM, STM), and their applications to the characterization of semiconductor materials. We are currently seeking a Postdoctoral Fellow to join our team. The main responsibility will be to carry out microscopy research on advanced solar cell structures. Particular emphasis will be on the STEM (Z-contrast, EDS, EELS), TEM (amplitude and phase contrast microscopy, energy filtered imaging), and SEM EBSD examination of defects in various photovoltaic devices.

A PhD degree in materials science or a related subject and a strong microscopy background are required. Experience with focused ion beam (FIB) milling and defect and interface characterization is highly desirable.

Interested candidates are asked to submit a resume and the names of three references to:

Mowafak Al-Jassim
 National Renewable Energy Lab
 MS/3215, 1617 Cole Blvd.
 Golden, CO 80401-3393 USA
 Fax: 303-384-6446
 E-mail: mowafak_aljassim@nrel.gov

NREL is an Equal Opportunity Employer committed to diversity.



FACULTY POSITIONS
(Multiple with Rank Open)
Department of Materials Science and Engineering
University of Illinois at Urbana-Champaign

The Department of Materials Science and Engineering at the University of Illinois at Urbana-Champaign is seeking exceptional candidates for tenure-track or tenured faculty positions with expertise in fundamental science or engineering of advanced materials. Special consideration will be given to applicants with demonstrated accomplishments in one or more of the areas of bio-inspired materials, complex oxides/functional ceramics, advanced materials for energy, and metallic materials. To be considered for tenured positions, applicants must have achieved national and international recognition for their scholarship. Faculty members in the Department are expected to teach undergraduate and graduate courses, and initiate and sustain a vigorous graduate research program. Applicants must provide a curriculum vita that includes their teaching experience and interests, a list of publications, and a synopsis of a proposed program of research. Candidates for tenure-track positions must have three (3) letters of reference be sent directly to the department. Candidates for tenured positions must include the names and contact information of at least three (3) references.

The Department has 26 faculty and more than 225 undergraduate and 185 graduate students, with nationally program rankings of #2

for graduate and #1 for undergraduate. The Department offers a rich research environment that spans experimental, computational, and theoretical studies in biomaterials, ceramics, complex fluids, metals, polymers, electronic, and photonic materials. Extensive state-of-the-art experimental and computational facilities are housed on campus in the Frederick Seitz Materials Research Laboratory, the Beckman Institute, and NCSA.

Applicants must hold an earned doctorate in an appropriate field. Salary and rank will be commensurate with qualifications. The proposed starting date for these positions is as soon as possible after the closing date. To ensure full consideration, applications must be received prior to **05 December 2006**. Interviews may take place during the application period, but a decision will not be made until after the closing date. Applications should be addressed to:

Chair, Faculty Search Committee
 Department of Materials Science and Engineering
 1304 W. Green Street, Urbana, IL 61801
 Telephone: 217-333-1440
 Fax: 217-333-2736
 E-mail: mse@uiuc.edu

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Positions Available

**MCKELVEY CHAIR IN INTERDISCIPLINARY
MATERIALS RESEARCH**
School of Engineering and Applied Sciences
and the Center for Materials Innovation
Washington University in St. Louis

The School of Engineering and Applied Sciences (SEAS) and the Center for Materials Innovation (CMI) at Washington University in St. Louis invite applications and nominations for the McKelvey Chair in interdisciplinary materials research. We seek outstanding candidates whose interests and internationally recognized accomplishments fall within a very broad range of materials disciplines which include but are not limited to nanoscopic materials, bio-materials, inorganic and organic semiconducting materials, opto-electronic materials, energy-related materials, smart materials, environmental materials, magnetic and ferroelectric materials, etc. Although our search is focused on a senior tenure-level appointment, we have the option of awarding the McKelvey chair to an outstanding junior appointee for the purpose of career development. Therefore, we also encourage applications from and nominations of tenure-track candidates for this prestigious position.

The candidates we seek must be dedicated to excellence in undergraduate and graduate education and research and will be expected to take a leadership role in the development of materials research on our campus. Competitive start-up funding, laboratory development resources, and ancillary support commensurate with the candidate's qualifications are available with the McKelvey chair. The successful candidate will have a primary appointment in one of the departments of the SEAS, with collateral membership in the CMI. Appropriate joint appointment(s) in departments of the School of Arts and Sciences and/or the School of Medicine are also possible.

Information on the SEAS, Arts and Sciences, the School of Medicine, and the CMI can be found under the University's main web site at <http://www.wustl.edu>. Interested individuals should submit the following application materials: a cover letter, a statement of research (up to five pages), a statement of teaching interests, philosophy and plans (up to three pages), a current resume, references to three pertinent publications, and the names and complete contact information of three references. Application materials must be submitted electronically by email as a single file in editable (e.g., not password protected) pdf format to Ms. Teresa Carson, Special Assistant to the Dean of SEAS (tcarson@seas.wustl.edu). The McKelvey search co-chairs are Prof. R. Sureshkumar, Department of Chemical Engineering and Prof. S.A. Solin, Department of Physics and Director, CMI. Screening of applicants will begin immediately and will continue until the position is filled.

Washington University is an equal opportunity/equal access/affirmative action institution.

FACULTY POSITION
Energy for the Future Initiative
Chemical Engineering and Materials Science
University of California, Davis

The UC Davis Department of Chemical Engineering and Materials Science (<http://www.chms.ucdavis.edu/>) invites applications for an open-rank faculty position as part of the UC Davis Energy for the Future initiative targeting major energy issues facing California and the nation. Applicants may find more information about this Initiative which includes a total of twelve new faculty positions at <http://energy.ucdavis.edu>.

Applications are solicited in broadly defined fundamental areas related to catalysis, biocatalysis, and nanostructured materials for photovoltaic applications. A PhD or equivalent degree in chemical engineering, materials science, or related disciplines is required. The successful candidate will establish an active and unique research program and teach at both undergraduate and graduate levels. The position is open until filled; but to assure full consideration, online applications should be submitted no later than **October 31, 2006**, for a targeted start date of July 1, 2007.

The University of California is an affirmative action/equal opportunity employer.

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

The Department of Materials Science and Engineering at Drexel University (<http://www.mse.drexel.edu>) is seeking qualified applicants to fill the recently created Hoeganaes Assistant Professor of Metallurgy position. This is a tenure-track faculty position. We are particularly interested in candidates with expertise in high resolution microscopy with applications in nanoscale phenomena. Priority will be given to candidates who, in addition to their own expertise in metallurgy, will be able to strengthen the research profile of the department in areas such as nanomaterials, biomaterials, mechanics, and microstructures, and processing of novel materials.

Applications, including curriculum vitae, a statement of teaching plans (2 pages maximum), a statement of research plans (2 pages maximum), copies of up to three relevant publications, and a minimum of three recommendation letters, should be sent to the following address:

Faculty Search Committee Chair
Department of Materials Science and Engineering
Drexel University
3141 Chestnut Street, Philadelphia, PA 19104

Review of applications will begin immediately and will continue until the position is filled.

Drexel University is an Equal Opportunity/Affirmative Action Employer.

FACULTY OPENING
Theoretical Condensed Matter Physics
Washington University in St. Louis

The Department of Physics announces a tenure-track faculty opening in condensed matter/materials (CMM) theory. The position, at the assistant professor level, is one of several new hires designed to enhance the activities of the university's cross-disciplinary Center for Materials Innovation (CMI). Without specifying the area of research within CMM theory, we are seeking candidates whose research achievements, relative to their experience, are extraordinary, and who exhibit a strong aptitude for teaching and mentoring both undergraduate and graduate students. The appointment will begin Fall 2007. Information on our department and the CMI can be found at <http://www.wustl.edu>.

Applications should consist of the following: cover letter, current resume including publication record, statement of research interests and plans (up to five pages), statement of teaching interests and approach (up to three pages), and names and complete contact information of three referees (including email addresses). Application materials must be submitted electronically by email as a single file in editable (e.g., not password protected) pdf format to: Professor John W. Clark at cmtsearch@wuphys.wustl.edu. Screening of applications will begin on **December 1, 2006** and will continue until the position is filled.

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

Positions Available

TENURE-TRACK FACULTY POSITION
Department of Materials Science and Engineering
Pohang University of Science and Technology (POSTECH)
South Korea

The Department of Materials Science and Engineering (www.postech.ac.kr/mse) at POSTECH (www.postech.ac.kr) invites applications for a tenure-track position at the assistant or associate professor level in the area of materials for energy technology.

Applicants must have a doctoral degree in materials science and engineering or a related discipline with at least two years of work experience and an outstanding research record. The successful candidate must be able to teach undergraduate level courses in the areas of materials science and engineering, and should have a strong interest in developing new and innovative graduate courses in related areas. It is important for the applicant to demonstrate motivation and an ability to develop research programs in collaboration with other faculty members and serve the academic/research community.

Interested persons should apply by **November 30, 2006** with a curriculum vitae with a recent photograph, the names/addresses of three references, and a statement of research plans, teaching goals, and other supporting materials. Submission materials should be sent to:

Mr. Doo Han Moon, Administrative Assistant
 Department of Materials Science and Engineering
 Pohang University of Science and Technology (POSTECH)
 San 31, Hyoja-Dong, Pohang, 790-784, Korea

Electronic submissions are preferred; E-mail to mse-postech@postech.ac.kr.

TENURE OR TENURE-TRACK PROFESSOR
Materials Science and Engineering
University of Minnesota

The Department of Chemical Engineering and Materials Science at the University of Minnesota seeks to fill a faculty position in materials science and engineering (MSE) at the assistant (tenure-track), associate, or full (tenure-track or tenured) professor level. Assistant professor candidates should have a distinguished academic record, including a PhD degree, outstanding potential for establishing an independent research program, and a commitment to both undergraduate and graduate teaching in a highly interdisciplinary department. The department will consider outstanding candidates in any area of materials science and engineering with experimental emphasis. Associate and full professor candidates should also have several years of quality teaching and/or research experience and a proven publication record. Complete applications consist of a CV including a list of publications, research plan, teaching plan, and three references with complete contact information.

The entire application must be completed on-line. To apply for this position, candidates must go to the University of Minnesota at <https://employment.umn.edu>. Tenure-track applicants may use requisition #141611. Tenured applicants may use requisition #141604.

Information on the department, the current faculty, and the University is available at <http://www.cems.umn.edu>. Review of the applications will begin on **December 1, 2006**, and continue until the position is filled. It is hoped that the successful candidate will be in place for the start of the Fall semester 2007.

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



Providing Opportunities for Materials Research

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.

Current DOE CSGF fellows study computational materials science at MIT; fracture mechanics at Cornell; and soft matter computation at Northwestern. Alumni work in industry, DOE labs and academia.

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- Yearly fellows conference
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www.krellinst.org/csgf/application



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Learn more about the Fellowship in DEIXIS, the DOE CSGF Annual Magazine. Request a free copy at <http://www.krellinst.org/csgf/reqmag/>



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

Graphics contributed by DOE CSGF Fellow Brandon Wood.

MATERIALS SCIENCE AND ENGINEERING FACULTY
Department of Chemical and Materials Engineering
University of Kentucky

The Department of Chemical and Materials Engineering at the University of Kentucky invites applications for a tenure-track faculty position at all levels. Applications in all research areas, experimental and computational, will receive consideration with preference given to those areas which complement existing department strengths in micro-mechanics, nano-scale material fabrication, and biologically active materials. Senior-level applicants should have a highly visible record of professional service, curriculum development, and a strong research program.

Applicants should have a PhD degree in Materials Science and Engineering, the capability to develop a strong and nationally recognized research program, and a commitment to excellence in undergraduate and graduate education in Materials Engineering.

Review of applications will begin immediately and will continue until the position is filled. Applicants should submit **on line** a PDF file consisting of a resume (limited to 7 pages), a 3-page description of research plans and teaching interests, and the names of three references to <http://ukjobs.uky.edu> (click on SEARCH POSTINGS and use the above Job Title). More information on the department can be found at <http://www.engr.uky.edu/cme>.

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Positions Available



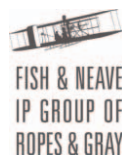
PATENT AGENT/TECHNICAL ADVISOR PROGRAM
Ropes & Gray LLP
Fish & Neave Intellectual Property Group
Boston and New York City

The Fish & Neave Intellectual Property Group of Ropes & Gray LLP is an internationally known intellectual property law practice of over 200 lawyers. We are seeking PhD candidates, nearing the completion of their studies and thesis defense, or recent PhD graduates, working in academia or industry to join our Patent Agent/Technical Advisor Program. The candidates' PhD degrees should be in the areas of synthetic organic chemistry, cellular biology, immunology, molecular biology, neurobiology, pharmaceutical sciences, bioinformatics, genomics, proteomics, polymer chemistry, or biochemistry.

The positions are full-time. We train the Patent Agent/Technical Advisor to prepare and to prosecute patent applications and to perform other tasks relating to our practice, including litigation, transactions, counseling, and licensing. After one year with the firm, the Patent Agent/Technical Advisor also attends law school, either days or nights. During the last 15 years, more than 60 PhD's have joined our program and more than 40 have graduated from law school and are now working as intellectual property lawyers in biopharmaceuticals. The remainder are continuing their law school studies. Benefits include: competitive salary; full law school tuition (with book allowance); medical benefits; 20-days paid vacation.

E-mail resumes with complete undergraduate and graduate transcripts to:
hiringprogram@ropesgray.com.

Students may also mail their materials to:
 Ms. Heather C. Fennell, Legal Recruitment Manager
 Ropes & Gray LLP, Fish & Neave Intellectual Property Group
 1251 Avenue of the Americas, New York, NY 10020



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

The Department of Materials Science and Engineering invites applications for faculty positions in all ranks starting February or August 2007. We encourage candidates from all areas of materials science and engineering, such as electronic and photonics materials (inorganic or organic) and devices, bio-materials, and energy-related materials. A PhD degree in Materials Science, Chemistry, Physics, Chemical Engineering, or related fields is required. Postdoctoral experience is desirable. The successful candidates must have an outstanding research record and show promise of teaching effectively in English at the graduate level. Information on the GIST and the Department of Materials Science and Engineering may be found at <http://www.gist.ac.kr>. There is no deadline for receipt of application materials which are reviewed four times every year.

A letter of interest, statement of research plan, CV, and publication list should be sent to:

Prof. D. Y. Noh, Chair
 Department of Materials Science
 and Engineering
 Gwangju Institute of Science
 and Technology
 1 Oryong-dong, Puk-gu
 Gwangju 500-712, Republic of Korea

Three letters of recommendation must also be arranged to be sent directly to the chairman. Application can be submitted via e-mail to dynoh@gist.ac.kr. Foreigners and women scholars, especially, are welcome to apply for the positions. Korean citizenship is not required.



ASSISTANT PROFESSOR
Nanoscale Science and Engineering and Energy
Berkeley Nanosciences and Nanoengineering Institute (BNNI)
University of California, Berkeley

The University of California, Berkeley solicits applications for a tenure-track position of Assistant Professor beginning in the Fall of 2007. Candidates are sought in the fields at the intersection of nanoscale science and engineering with implications on energy technology. Many of the fundamental length scales involved in energy conversion, transmission, and storage occur at the nanoscales. Therefore, nanoscale science and engineering provide the opportunity to discover and develop new processes and systems to cost-effectively convert, store, and transmit energy that significantly reduces the atmospheric burden of greenhouse gases. Topics of interest include but are not limited to catalysis, surface adsorption, fuel synthesis and processing including biofuels, bioprocessing, thermoelectrics, fuel cells, batteries, photovoltaic cells, superconducting power transmission, clean coal conversion, nuclear power, etc.

This faculty search will be conducted under the auspices of the Berkeley Nanosciences and Nanoengineering Institute (BNNI), with participation from the Departments of Physics, Chemical Engineering, Chemistry, Electrical Engineering and Computer Science, Materials Science and Engineering, and Mechanical Engineering. The successful candidate will have the potential to interact with scientists and engineers across a wide spectrum of disciplines, and to help develop the new interdisciplinary initiative in nanoscale science and engineering.

Applicants should send a complete curriculum vitae, a selection of publication reprints (five or less), and a brief statement of future research plans and teaching interests. Candidates should also provide the names of at least three references to the address below. Applicants should request that their references forward letters to the same address. Such letters will not be requested directly by the department or the committee. UC Berkeley's Statement of Confidentiality can be found at <http://apo.chance.berkeley.edu/evaltr.html>.

Applications should be sent to:

Chair, Faculty Recruitment Committee
 Berkeley Nanosciences and Nanoengineering Institute
 c/o Department of Materials Science and Engineering
 University of California; Berkeley, CA 94720

The deadline for receipt of applications, including references, is **December 1, 2006**.

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Contact—

**Mary E. Kaufold at
 724-779-8312, or
kaufold@mrs.org**