



THE UNIVERSITY OF
KU KANSAS

**TENURE-TRACK ASSISTANT PROFESSOR
DEPARTMENT OF PHYSICS AND ASTRONOMY**

The Department of Physics and Astronomy at the University of Kansas seeks applicants for a tenure-track assistant professor position in the field of experimental condensed matter physics. The position is expected to begin as early as August 18, 2012. Candidates who complement the existing programs in condensed matter physics, in particular with regard to basic energy science, are encouraged to apply. A Ph.D. or ABD in Physics or a closely related field is expected by start date of appointment.

A strong record of research and commitment to excellence in teaching are required. A start-up package is included. The University of Kansas is especially interested in hiring faculty members who can contribute to four key campus-wide strategic initiatives: (1) Sustaining the Planet, Powering the World; (2) Promoting Well-Being, Finding Cures; (3) Harnessing Information, Multiplying Knowledge; and (4) Building Communities, Expanding Opportunities.

See <http://www.provost.ku.edu/planning/themes/> for more information. For a complete position announcement and to apply on-line, go to <https://jobs.ku.edu> and search for **position number 00004334**. A complete electronic application will include: a letter of application, research plan, and statement of teaching interests, and a curriculum vitae. Additionally, applicants should arrange for at least three letters of reference to be sent to: **Stephen J. Sanders, Chair, Department of Physics and Astronomy, University of Kansas, 1251 Wescoe Hall Dr., 1082 Malott Hall, Lawrence, KS 66045-7582; Phone: 785-864-4626; Email: phsx-cmpsearch12@ku.edu ; Website: www.physics.ku.edu.**

EO/AA Employer.



UNIVERSITY OF
NOTRE DAME

**LAB MANAGER FOR TRANSMISSION
ELECTRON MICROSCOPY**
Integrated Imaging Facility

The University of Notre Dame has recently established the Integrated Imaging Facility with an integrated suite of state-of-the-art optical microscopes, electron beam microscopes, and small animal imaging stations. To learn more about the facility, visit <http://ndiif.nd.edu>. We seek a lab manager for the newly acquired FEI Titan 80-300 transmission electron microscope. It is a non-tenure position with renewable 12-month appointments. The successful candidate will have a strong publication record and considerable experience operating transmission electron microscopes. The position involves extensive collaboration with various research groups in the Colleges of Science and Engineering, and also the possibility of independent research.

Please apply online at <http://ND.jobs> to **Job #11437** or visit <http://jobs.nd.edu/applicants/Central?quickFind=57475>. For additional information about working at the University of Notre Dame and various benefits available to employees, please visit <http://hr.nd.edu/why-nd/>.

The University of Notre Dame is committed to diversity (<http://diversity.nd.edu/>) in its staff, faculty, and student body. As such, we strongly encourage applications from members of minority groups, women, veterans, individuals with disabilities, and others who will enhance our community. The University of Notre Dame, an international Catholic research university, is an equal opportunity/affirmative action employer.



ÉCOLE POLYTECHNIQUE
FÉDÉRALE DE LAUSANNE

**Faculty Position in Energy Generation,
Conversion and Storage**

at the Ecole polytechnique fédérale de Lausanne (EPFL)

The School of Engineering at EPFL invites applications for a **tenure-track assistant professor** position in the area of **Energy Generation, Conversion and Storage**.

Topics of interest include, but are not limited to, electrochemistry, ionic systems, fuel and electricity generation and storage, and energy harvesting. The candidate should have a strong background in materials and/or electrical engineering.

As a faculty member of the School of Engineering, the successful candidate will be expected to initiate an independent and creative research program and participate in undergraduate and graduate teaching. Internationally competitive salaries, start-up resources and benefits are offered.

The EPFL, located in Lausanne, Switzerland, is a dynamically growing and well-funded institution fostering excellence and diversity. It has a highly international campus at an exceptionally attractive location boasting first-class infrastructure. As a technical university covering essentially the entire palette of engineering and science, EPFL offers a fertile environment for research cooperation between different disciplines. The EPFL environment is

multi-lingual and multi-cultural, with English often serving as a common interface.

Applications should include a cover letter with a statement of motivation, curriculum vitae, list of publications and patents, concise statement of research and teaching interests, and the names and addresses of at least five referees. Applications must be uploaded in PDF format to the recruitment web site:

<http://energy-search11.epfl.ch>

Formal evaluation of candidates will begin on **5 December 2011**.

Enquiries may be addressed to:

Prof. John Thome

Search Committee Chair

e-mail: energy-search@epfl.ch

For additional information on EPFL, please consult the web sites: www.epfl.ch, <http://sti.epfl.ch>, <http://iel.epfl.ch>, <http://imx.epfl.ch>

EPFL is committed to increasing the diversity of its faculty, and strongly encourages women to apply.



OUR NEXT BREAKTHROUGH IS YOU. LAWRENCE POSTDOCTORAL FELLOWSHIP

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

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

Please refer to our web page <https://fellowship.llnl.gov> for eligibility requirements and instructions on how to apply. When applying and prompted, please mention where you saw this ad. The deadline for applications is November 1, 2011. LLNL is operated by the Lawrence Livermore National Security, LLC for the U.S. Department of Energy, National Nuclear Security Administration. We are an equal opportunity employer with a commitment to workforce diversity.



<https://fellowship.llnl.gov>

MichiganTech

DEPARTMENT CHAIR Department of Materials Science and Engineering

The College of Engineering at Michigan Technological University invites applications for the position of Chair of the Department of Materials Science and Engineering to begin in the 2012/13 academic year. Visit <http://www.mse.mtu.edu/> for detailed information on the department and <http://www.mse.mtu.edu/chair2011.html> for details on the opening.

Applicants should send application materials as a single PDF document to msechsrch@mtu.edu. The PDF should include a cover letter, curriculum vitae, and the names and contact information of five evaluators who have agreed to write letters of reference. The PDF document should also include a 1-page statement on the applicant's vision for the future of research and education in materials science and engineering, a 1-page preliminary vision for the Department of Materials Science and Engineering at MTU, and a 1-page statement on the applicant's leadership experience and philosophy. Review of applications begins immediately, and the search committee will continue to review applications until the position is filled.

In addition to the present search, a search to fill ten growth positions in "Transportation" and "Water" are underway and qualified candidates are encouraged to send a separate application, following the "How to Apply" guidelines at www.mtu.edu/sfhi.

Michigan Technological University is an Equal Opportunity Educational Institution/Equal Opportunity Employer. Michigan Tech is an ADVANCE institution, one of a limited number of universities in receipt of NSF funds in support of our commitment to increase diversity and the participation and advancement of women in STEM.

AIP

MANAGING EDITOR

The American Institute of Physics seeks a Managing Editor to perform research and analysis in support of strategic objectives for a subset of AIP publications. This includes working closely with the Journal Manager to monitor and analyze journal metrics and measure progress towards targets as well as coordinating editorial input to marketing efforts that will ensure increased journal visibility. Collaborate closely with Marketing to identify and align with the target audience and refine the marketing message to that audience.

This position also includes responsibility for working with internal business units to align AIP activities to strategic objectives. Candidate performance will be measured against each product's success using various metrics.

Advanced physical science degree, or a Bachelor's degree and minimum of two years experience in scientific publishing, including product development, market research, budgeting, or editorial functions. Familiarity with research publication in physics-related journals is a definite benefit. Demonstrated success defining and developing excellent products. Excellent written and verbal communication skills. Highly computer literate knowledge of/experience with internet-based scientific communication. Excellent teamwork, time management, and organizational skills as well as the ability to take responsibility, assess complex situations, and work on own initiative.

Competitive salary and excellent benefits including medical, dental, vision, retirement, tuition assistance, on site fitness center, and childcare center.

Please submit cover letter and resume to Laura Magri via e-mail at aiphrrny@aip.org.

The American Institute of Physics is an Affirmative Action and Equal Opportunity Employer



Faculty Positions

School of Materials Science and Engineering

Gwangju Institute of Science and Technology (GIST)

The School of Materials Science and Engineering invites applications for faculty positions in all levels starting from February or August 2012. Applications from candidates with experience in 1) biomaterials/biotechnology; 2) energy related materials and devices; 3) electronic materials and devices (TEM included); or 4) organic materials for optoelectronics are encouraged, but all areas of materials science and engineering will also be considered. A PhD degree in Materials Science, Chemistry, Physics, Chemical Engineering, or related interdisciplinary area is required.

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

In order to apply for a faculty position, please refer to the GIST website for details and upload application forms (a letter of interest, statement of research plan, CV, and publication list) at <http://its.gist.ac.kr/faculty>.

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

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

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



PROFESSOR Energy Science and Engineering

Princeton University seeks a distinguished senior scholar in the field of Energy Science and Engineering. The successful candidate will be appointed as a faculty member jointly through the Andlinger Center for Energy and the Environment (<http://www.princeton.edu/acee>) and an academic department that will depend on the candidate's particular field. We are particularly interested in those whose research encompasses one of the following areas: energy storage, biofuels/biomass conversion, solar thermal conversion, waste heat recovery, or chemical carbon sequestration (to make high value polymers/chemicals).

Complete applications, including cover letter, CV, will be reviewed beginning **December 1, 2011**. Applications should be submitted online at <https://jobs.princeton.edu>.

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



FACULTY POSITIONS Department of Materials Science and Engineering

The Department of Materials Science and Engineering of the University of Florida invites applications for a tenure/tenure-track position at the rank of Assistant, Associate, or Full Professor. Candidates are sought with interests in metals research with demonstrated expertise in, for example:

- Mechanical metallurgy, with emphasis in deformation, including mesoscale modeling of deformation.
- Materials stability, particularly in corrosion, electrochemistry, oxidation, and/or coatings.
- Advanced materials characterization (e.g., TEM, FIB, LEAP).
- Novel processing, for example in thin films and metallic glasses.
- Phase transformations, solidification, and kinetics.

Exceptional candidates with a proven record in related areas of materials research will also be considered. A doctoral degree in materials science and engineering or a related field is required, and postdoctoral experience is preferred.

The UF MSE Department is a vibrant, multidisciplinary, highly-collaborative environment and has consistently ranked among the top ten departments in the nation for both graduate and undergraduate programs. It is also among the largest MSE departments in the nation with 30 faculty members, ~240 graduate students, over 180 undergraduates, and over \$10 million in annual research expenditures. Our faculty research activities are essential to the success of our program; as such, new members are expected to initiate and sustain strong sponsored research and graduate training programs.

The department provides integrated Materials Science and Engineering education devoted to biomaterials, ceramics, composites, electronic and optical materials, metals, and polymers. We anticipate that the successful applicant will continue the tradition of both developing and teaching courses at the undergraduate and graduate level.

We are dedicated to the goal of building a culturally diverse and pluralistic faculty committed to teaching and working in a multicultural environment; we strongly encourage applications from women, members of underrepresented groups, individuals with disabilities, and veterans.

The search committee will begin reviewing applications immediately, and will continue to receive applications until the position is filled. To apply, please reference **position number 00007437**, send a curriculum vitae, statement of research and teaching interests, and contact information for three references to:

Chair of the Search Committee
Materials Science and Engineering Faculty Search
Department of Materials Science and Engineering
Post Office Box 116400
University of Florida
Gainesville, Florida 32611-6400

In addition, PDF files of the application package should be e-mailed to Ms. Alice Holt at aholt@mse.ufl.edu. For additional information about the Department and University, please visit our Web site at <http://www.mse.ufl.edu>.

The University of Florida is an Affirmative Action, Equal Opportunity Employer and encourages applications from women and minority group members. According to Florida law, applications and meetings regarding applications are open to the public on request.



Sandia National Laboratories

A Department of Energy National Laboratory

Postdoctoral Researcher Interface Science of Materials

The Materials Physics Department at Sandia National Laboratories in Livermore, California, is seeking a postdoctoral researcher in the area of Interface Science of Materials. The appointee will conduct experimental studies using transmission electron microscopy to investigate the inter-relationships between structure, composition, and function of interfaces.

Research will focus on the influence of interfaces and related microstructural and compositional issues on the properties and behavior of thermoelectric materials. This work will be done in collaboration with experimental and theoretical efforts on thermal and electronic transport physics and materials aging and reliability.

Qualified candidates will possess a PhD degree in materials science, physics, chemistry, or a closely related discipline. Requirements include experience in transmission electron microscopy applied to materials analysis, including imaging, diffraction, and spectroscopic methods; and a record of accomplishment in fundamental materials science, as demonstrated by a distinguished record of publications. Strong written and verbal communication skills are essential. An experimental background in broader areas of materials science such as growth and synthesis, property measurement, or other materials characterization methods is highly desired.

Interested applicants should apply **ONLINE** at <http://www.sandia.gov/careers/>. Job #638837. Applicants should submit a CV and list at least three references.

Sandia National Laboratories is an Equal Opportunity Employer. M/F/D/V.



FACULTY POSITION Materials Science and Engineering Department

The Materials Science and Engineering Department seeks a tenure-track faculty member who has research interests (experimental and/or theoretical) in one or more of the areas listed below. Preference will be given to candidates at the Assistant Professor level, however, outstanding candidates at higher ranks will also be considered. The successful candidate will have completed their PhD degree prior to the start of employment and be able to undertake the normal faculty roles of research, teaching, and service.

- Glass and Amorphous Materials
- Optical and Photonic Materials
- Ceramics

Applications should be emailed as a single PDF file that includes: 1) a cover letter stating your chosen thrust area; 2) a detailed research plan; 3) a one-page teaching philosophy statement; and 4) a full CV. Three letters of reference should also be submitted (sent from the referees directly to the Search Committee Chair at the email address below). Review of applications will begin **November 30, 2011**.

MSE Search Committee Chair
Department of Materials Science and Engineering
Email: MSE2012@jove.rutgers.edu

Rutgers University is an Equal Opportunity/Affirmative Action employer. Rutgers is also an ADVANCE institution, one of a limited number of universities in receipt of NSF funds in support of our commitment to increase diversity and the participation and advancement of women in the STEM disciplines.



Penn
UNIVERSITY OF PENNSYLVANIA

Nano Cluster Hiring Initiative

The School of Engineering and Applied Science (SEAS) at the University of Pennsylvania seeks to build interdisciplinary faculty clusters of eminence at the forefront of nanotechnology. In anticipation of the opening of the \$100M Krishna P. Singh Center for Nanotechnology, a premier facility that integrates state-of-the-art nanocharacterization and nanofabrication facilities, numerous hires will comprehensively span forefront measurement, novel phenomena, innovative devices, and integrated systems. Successful candidates will be expected to couple with existing resources to synergistically build new areas of international impact.

Broad themes of interest include:

- Advanced nanoproboscopes pushing the frontiers of multi-modal interactions, in-situ control, and/or ultra fast dynamics;
- Coupled nanoscale phenomena providing new paradigms for designing and utilizing materials, particularly under extreme environments including ultrafast time scales, ultra-small dimensions, and intense energy fluxes;
- Design and fabrication of multifunctional nanodevices that exploit such coupled phenomena for novel applications;
- Emerging fields at the interface of nano and biotechnology;
- Integrated systems for applications in nano-enabled computation, energy technologies, and nanomanufacturing.



Candidates will be expected to robustly utilize and further contribute to the development of experimental capabilities in the Singh Center, as well as to acquire and develop their own innovative experimental platforms. Candidates will also be expected to advance our creative educational programs at both the undergraduate and graduate level. Applicants with industrial experience or collaborations, and track records that include successful translational research programs and technology transfer are particularly encouraged and should highlight these accomplishments in their application.

Appointments in this first round of hiring will be at the Associate or Full Professor level and applicants must have research and educational track records to merit an appointment with tenure. Successful candidates will be invited to participate in recruiting future faculty at all levels to further contribute to this long-term cluster hiring initiative, which builds on Penn's exemplary record in interdisciplinary research that integrates knowledge at the forefront of discovery.

Applicants should submit their applications electronically at <http://www.seas.upenn.edu/nano/>

Information about the School of Engineering and Applied Science is available at <http://www.seas.upenn.edu>. The University of Pennsylvania is an equal opportunity employer. Minorities, women, individuals with disabilities and veterans are encouraged to apply.

FACULTY POSITION

Experimental Condensed Matter Indiana University

The Department of Physics at Indiana University invites applications for a faculty position in experimental condensed matter physics for appointment beginning Fall 2012. Candidates will be evaluated for appointment at the tenure-track assistant professor level.

Scientists from all areas of condensed matter and materials physics are encouraged to apply. We seek an outstanding scientist who is interested in building a vibrant experimental research program that will complement and extend our ongoing experimental and theoretical efforts in such areas as confined, complex, and quantum fluids, strongly interacting electron systems, graphene, quantum computation, x-ray and neutron scattering, biophysics, and the development of novel instrumentation. We are particularly interested in researchers with expertise in materials synthesis and characterization who can capitalize on some of the many exciting developments on our campus in the area of materials. These developments include the recent formation of the Center for the Exploration of Energy and Matter, an emerging program in materials that involves faculty from both Chemistry and Physics and which has recently established the Indiana University Nanosciences Center, a unique pulsed neutron source (LENS) suitable for measuring large-scale structure in materials, and a compact electron storage ring (ALPHA). More information about the group may be found at <http://www.iub.edu/~iubphys/research/condensed.shtml>. The successful candidate will also be expected to demonstrate a commitment to excellence in teaching at both the undergraduate and graduate levels.

Candidates should submit a letter of application, curriculum vitae, and statements on both research and teaching plans to physsrch@indiana.edu or by mail to Faculty Search, Department of Physics, 727 E. 3rd Street, Bloomington, IN, 47405-7105. Candidates should also arrange for a minimum of three letters of reference to be sent to the same address. Applications received by **January 1, 2012** will be given full consideration. Further information about the IU Physics Department can be found at <http://physics.indiana.edu>.

Indiana University is an Affirmative Action, Equal Opportunity Employer committed to excellence through diversity. The University actively encourages applications of women, minorities, and persons with disabilities.



FACULTY POSITION

Experimental Condensed Matter/Materials Physics

The Department of Physics in the School of Arts and Sciences announces a tenure-track faculty opening at the assistant professor level in Experimental Condensed Matter/Materials (CMM) Physics. This hire is designed to enhance the activities of Washington University's cross-disciplinary Center for Materials Innovation (CMI), as well as those of the broader developing materials focus across schools.

We are seeking candidates whose research achievements, relative to their experience, are extraordinary and who exhibit a strong aptitude for teaching and mentoring students at the undergraduate and graduate levels. The hire must have a PhD degree in a relevant field. The duties will include, but are not limited to, teaching and advising students, conducting and publishing original research, and participating in service to both the department and the university. The appointment will begin Fall 2012. Information on our department and the CMI can be found at <http://www.physics.wustl.edu>.

Applications should consist of the following: Cover letter, current resume including publication record, statement of research interests and plans (up to 5 pages), statement of teaching interests and approach (up to 3 pages), and names and complete contact information (including email addresses) of three referees. Application materials must be submitted electronically by email as a single file in editable (i.e., not password protected) PDF format to CMMResearch@wuphys.wustl.edu. For full consideration, applications should be submitted on or before **November 15, 2011**.

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



DIRECTOR, JOHN A. DUTTON e-EDUCATION INSTITUTE

The Pennsylvania State University, University Park, invites applications for Director of the John A. Dutton e-Education Institute. Since 2000, the Dutton Institute has been developing and offering award-winning online programs across undergraduate and graduate levels in the College of Earth and Mineral Sciences. Currently the Institute includes over 50 personnel worldwide. E-Education is a major strategic College and University priority.

The Director candidate should present a record of effective leadership and accomplishments in the identification, development, and operation of high-quality online programs. Experience leading curricular design and development, as well as program administration and delivery that meets market opportunities, is crucial. The candidate should have the knowledge and vision to work across the College's disciplines and should possess background and research skills in distance education. This position is located in the College of Earth and Mineral Sciences and is coordinated with the University's World Campus.

A master's degree or higher is required. Strong strategic development skills, communication capacity, and business acumen are imperative.

Applications should include a letter describing experience and qualifications and the address/email of three referees. Applicants should request that the reference letters be forwarded directly at time of application. All materials should be submitted electronically to Deb Sipe at sipe@ems.psu.edu. Review of applications will begin on November 11, 2011.

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

Opportunities as **limitless** as Penn State.
www.psu.jobs



KYUSHU UNIVERSITY



Research Associates International Institute for Carbon-Neutral Energy Research

The International Institute for Carbon-Neutral Energy Research (I²CNER) at Kyushu University, Japan is actively seeking candidates for open-rank faculty and postdoctoral research associates.

The International Institute for Carbon-Neutral Energy Research (I²CNER) is a member of the World Premier International Research Center Initiative established by the Japanese Ministry of Education, Culture, Science and Technology (MEXT). Faculty members and researchers associated with I²CNER are dedicated to the Institute's mission to contribute to the creation of a sustainable and environmentally friendly society by advancing fundamental science to reduce CO₂ emissions and the realization of a hydrogen economy. The ITO Campus of the Kyushu University houses extensive state-of-the-art experimental and computational facilities.

Qualifications & Current Openings: I²CNER is currently accepting applications in the following research areas:

- Energy analysis
- Hydrogen embrittlement (mechanics, fatigue and fracture, materials, tribology)
- Chemistry for efficient material transformation
- Basic science issues underlying CO₂ separation/concentration
- Applied (and/or basic) science issues underlying geologic/ sub-seabed/ocean CCS (CO₂ capture and storage)
- Thermophysical properties of hydrogen and CO₂
- Solar/chemical hydrogen production

All faculty members are expected to initiate and sustain vigorous research programs that both advance and are relevant to I²CNER's mission. Candidates for senior faculty positions must have achieved national and international recognition for their research accomplishments. Postdoctoral research associates will join research groups relevant to their field of expertise and education.

Application Process: Applicants must provide: 1) cover letter; 2) application form (located on website); 3) curriculum vitae that details research experience and interests; 4) research proposal (located on website); 5) list of publications; and 6) names and contact information of four references. All materials must be submitted in English.

Salary & Starting Date: Salary will be commensurate with qualifications and experience.

Application Deadline: Wednesday, November 30, 2011 at 17:00 (Japan Time). Interviews may take place prior to closing date; however, no final decisions will be made until after this time.

For More Information:

International Institute for Carbon-Neutral Energy Research
Kyushu University
744 Motooka, Nishi-ku, Fukuoka Postal Code 819-0395 JAPAN
Tel: +81-(0) 92-802-6932; Fax: +81-(0) 92-802-6939
wpi-office@i2cner.kyushu-u.ac.jp
http://i2cner.kyushu-u.ac.jp/en/recruit/recruit.php



TRIANGLE MRSEC | Materials Research Science and Engineering Center

Technical Staff Positions

The Research Triangle Materials Research Science and Engineering Center (www.mrsec.duke.edu) is seeking outstanding candidates with expertise in soft matter research for positions on its technical staff. Detailed descriptions for the positions of **Executive Director, Research Scientist, and Postdoctoral Fellows** are available at <http://www.pratt.duke.edu/research/mrsec>. Applications can be submitted online at http://www.pratt.duke.edu/mrsec_technical_staff_positions.



Assistant Professor of Structural Materials

The Materials Department in the College of Engineering at the University of California, Santa Barbara is seeking applications for a tenure-track Assistant Professor position in the area of Structural Materials, with emphasis on computational materials science and strong interests in energy-related materials. Truly exceptional candidates may also be considered for appointment at the Associate Professor level. Details of the position and online application process can be found at <https://ucsb-coe.redbricks.com/apply/structural-materials>.

EO/AA Employer



JOURNAL MANAGER

The American Institute of Physics seeks Journal Manager to assume overall responsibility for ensuring the success of a select group of AIP publications and products. This includes working with journal editors to define editorial direction and develop content, as well as managing the product(s), driving the marketing strategies—particularly marketing to authors—and gathering and prioritizing product and customer requirements through market research, all of which involves working closely with internal business units, academic editors, and external third-party organizations. This position also includes responsibility for ensuring that development efforts support the overall strategies and goals of the Publisher's Office. Candidate performance will be measured against each product's success using various metrics.

Advanced physical science degree, or a Bachelor's degree and minimum of five years of experience in scientific publishing, including product development, market research, budgeting, or editorial functions. Familiarity with research publication in physics-related journals is a definite benefit. Demonstrated success defining and developing excellent products. Excellent written and verbal communication skills. Highly computer literate knowledge of/experience with internet-based scientific communication. Excellent teamwork skills. Travel required.

Competitive salary and excellent benefits including medical, dental, vision, retirement, tuition assistance, and, on-site fitness center.

Please submit cover letter and resume to Laura Magri via e-mail at aiphrrny@aip.org.

The American Institute of Physics is an Affirmative Action and Equal Opportunity Employer



Alternative Energy **FACULTY POSITION**

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

Assistant Professor candidates are expected to demonstrate the ability to develop vigorous, well-funded research programs, and to be excellent teachers at the undergraduate and graduate levels. The proposed research should have potential for future commercialization. Senior candidates should have successful, funded scholarly research programs, as well as demonstrated interest in team building and technology commercialization, and a commitment to teaching excellence. Assistant Professor applicants should send an application letter with detailed vita, a description of proposed research, and arrange for three letters of recommendation to be sent. Submit applications in PDF format directly to <http://utah.peopleadmin.com/postings/9338>. Senior applicants should send an application letter and vita. Review of applications will begin **October 15, 2011** and continue until suitable candidates are identified.

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

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



ASSISTANT PROFESSOR

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

One faculty position at the assistant professor rank is announced by the Department of Materials Science and Engineering at the University of Illinois at Urbana-Champaign. We seek exceptional candidates for a tenure-track position with experimental expertise in the science and engineering of polymeric materials. Faculty members in the Department are expected to teach undergraduate and graduate courses, and initiate and sustain a vigorous graduate research program. Applicants must provide a curriculum vita that includes their teaching experience and interests, a list of publications, and a synopsis of a proposed program of research. Candidates for tenure-track positions must have three (3) letters of reference sent directly to the department.

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

Applicants must hold an earned doctorate in an appropriate field. Salary will be commensurate with qualifications. The proposed starting date for this position is as soon as possible after the closing date. To ensure full consideration, applications must be received prior to December 2, 2011. Interviews may take place during the application period, but a decision will not be made until after the closing date.

To apply for this position, please create a candidate profile at <http://jobs.illinois.edu> and upload your letter of application and resume by **December 2, 2011**.

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

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

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