·全球招聘新闻·

博士后
[美国] Washington State University

Washington State University has immediate openings for postdoctoral research associates to conduct experimental research to examine condensed matter phenomena (structural changes and chemical reactions), under dynamic high pressures, using time-resolved (ps-ns resolution) optical spectroscopy and laser-interferometry. The scientific objectives are to relate shock wave induced structural changes and chemical reactions in condensed systems to the underlying microscopic mechanisms. They are looking for creative, self-motivated experimentalists who have the ability and the drive to pursue challenging, interdisciplinary problems in a fast-paced research environment. A brief summary of the Institute's activities follows. Experimental work typically involves fast, time-resolved measurements in single event, impact experiments. Research projects currently underway include: development of fast optical methods to probe shock induced changes; pressure induced structural phase transitions; physical and chemical changes in shocked liquids; chemical decomposition in energetic materials; understanding of inelastic deformation and failure under dynamic loa ding; effect of material microstructure on dynamic deformation; effect of deformation on semiconductor properties; time-resolved x-ray diffraction studies; high pressure equation of state studies; and chemical and physical changes under static high pressures. Further details may be seen at www.shock.wsu.edu. Applicants should submit a letter of application explicitly addressing the qualifications for this position and date of availability; detailed curriculum vitae; and the names, email, and addresses for 3 professional references to: **Professor Y.M. Gupta, Institute for Shock Physics, Washington State University, PO Box 642816, Pullman, WA 99164-2816, USA or via E-mail at ispjobs@wsu.edu.** (源于 *Physics Today Job* [2012-05-07])

博士后
[美国] California State University Northridge

California State University Northridge opens a postdoctoral position in the W. M. Keck Computational Materials Theory Center (http://www.csun.edu/~nkioussi/) for research in electronic structure calculations and transport properties of magnetic and magnetic/ferroelectric tunnel junctions and molecular spintronics. Experience with first-principles electronic-structure calculations, transport properties, dynamical mean field theory of GW calculations, and comuter programming is preferred. The position is available immediately. Initial appointment is for one year and/or second year (based upon satisfactory performance). Interested applicants should submit a curriculum vita, list of publications, and arrange to have two letters of reference sent to: **Prof. Nicholas Kioussis, Department of Physics, California State University Northridge, 18111 Nordhoff Street, Northridge, CA 91330-8268, USA or via E-mail to: nickioussis@csun.edu.** (源于 *Physics Today Job* [2012-05-08])

博士后
[美国] University of Arkansas

University of Arkansas opens a position for a postdoctoral at the Barraza-Lopez group to study electron transport though multi-structured nanoscale materials. The job duties include (i) the study of charge flow through multistructured materials and (ii) the development of novel computational tools for charge transport. More details of our research can be found at: **http://comp.uark.edu/~sbarraza/index.shtml.** The successful candidate must have a PhD in Physics or on a related discipline and be familiar with density functional theory and Non-Equilibrium Green's function codes for charge transport. In addition, experience with parallel programming (MPI) is required. Salary will be commensurate with experience. Please send a CV and 3 recommendation letters to the following addresses: **physics@uark.edu,** and sbarraza@uark.edu. Applications sent by June 30, 2012 will be assured full consideration. (源于 Physics Today Job [2012-05-13])

博士后
[美国] Mount Holyoke College

Mount Holyoke College invites applications for a postdoctoral fellowship in the physics department in the field of nanomagnetism. Scanning probe microscopy is used to both manipulate and measure nanostructures, using the tip to apply a local, circular field. They study individual domain wall motion and interactions, as well as novel states accessible with the circular field. (see http://www.mtholyoke.edu/~kaidala/). The project is in collaboration with Prof. Mark Tuominen at the neighboring University of Massachusetts, Amherst. Mentored teaching opportunities will be provided for applicants seeking teaching experience in a liberal arts college environment. The qualified applicant will have a PhD in physics or a related discipline with a strong background in experimental condensed matter physics or nanoscience more broadly. Previous experience with nanomagnetism, nanofabrication, and/or scanning probe microscopy is preferred, though talented applicants with a desire to work at a liberal arts college will be considered from a wider range of backgrounds. To apply, please arrange to send your curriculum vitae, two letters of recommendation, and a cover letter to Sarah Byrne **(sbyrne@mtholyoke.edu)**. The position is presently available, with a flexible start date for strong applicants. Review of applications will begin immediately.(源于 *Physics Today Job* [2012-05-15])

博士后
[沙特阿拉伯] King Abdullah University of Science and Technology

King Abdullah University of Science and Technology are seeking

excellent candidates at the post doctoral level in areas related to ultrafast laser spectroscopy and imaging of inorganic and organic photovoltaic materials and devices. The successful candidates are expected to: have hands-on experience on building optical setups, background in optical measurements of photovoltaic materials and structures and experience on working with ultrashort laser pulses and related spectroscopic measurement tools; be capable of maintaining and operating femtosecond oscillators, regenerative and parametric amplifiers, supercontinuum sources, Nd:YAG lasers and Streak cameras; be familiar with two or more of the following methods: Spectral-domain Optical Coherence Tomography, Two-photon Polymerization, Transient Absorption Spectroscopy, Fluorescence Up-conversion Spectroscopy, Fluorescence Lifetime Spectroscopy, Time-of-flight Spectroscopy, Coherent Anti-Stokes Raman Spectroscopy, Four-wave mixing spectroscopy and Femtosecond Laser Annealing; be self-driven and independent researchers, supervise students and be capable of writing and communicating in English in scientific papers and proposals. A PhD in Materials Science and Engineering, Physics, Chemistry, Electrical Engineering, or related areas in science and engineering is required. Candidates with poor oral and written English language skills will not be considered. A cover letter, curriculum vitae, and names of at 3 references must be submitted in a single pdf or Word file to **solar@kaust.edu.sa** and include the words RESEARCHER SOLAR CENTER in the subject line. Review of applications will begin immediately and will continue until positions are filled. Please address your cover letter and any questions to the Solar Search Committee Chair at the email address above.(源于 *Physics Today Job* [2012-05-16])

博士后
[美国] Washington State University

Washington State University has an immediate opening for a postdoctoral research associate to undertake computational modeling and simulation activities related to chemical phenomena in reactive materials. They are looking for a creative, self-motivated individual who has the ability and desire to pursue solutions to challenging, interdisciplinary problems in a fast-paced research environment. This position is located at the Institute's Applied Sciences Laboratory in Spokane, Washington. The ability and interest to pursue challenging, interdisciplinary problems, and the ability to deliver proof-of-concept results are essential. Individuals with a strong desire to work in applied research within a contract research organization, and who are comfortable working within a milestone-driven project-management environment are encouraged to apply. This is an ideal position for a creative, self-motivated individual. The Institute for Shock Physics and the Spokane-based Applied Sciences Laboratory provide excellent opportunities for growth and professional success. The salary structure is nationally competitive. Applicants should submit a letter of application explicitly addressing the qualifications for this position and date of availability; detailed curriculum vitae; and the names, E-mail, and addresses for 3 professional references to: **Dr. Santanu Chaudhuri, Applied Sciences Laboratory, Washington State University, PO Box 1495, Spokane, WA 99210-1495, USA. E-mail: asl.jobs@wsu.edu.** (源于 *Physics Today Job* [2012-05-16])

博士后
[美国] Washington State University

Washington State University has an immediate opening for a postdoctoral position for an outstanding experimental scientist in high-pressure and materials research activities, utilizing state-of-the-art laser spectroscopy, x-ray diffraction and spectroscopy, and static high-pressure technologies at the WSU, as well as at the national synchrotron and other user facilities. They are looking for a creative, self-motivated individual, who has the ability and interest to pursue challenging, interdisciplinary problems in a fast paced research environment. A recent PhD degree in Physical Chemistry, Inorganic Synthetic Chemistry, Condensed Matter Physics or a closely related field; A strong academic background and knowledge in areas related to structural high-pressure science, crystallography, thermodynamics, transport properties, and optical spectroscopy. Research experiences in solid state chemistry, high energy density materials, and/or novel materials synthesis at extreme environments; Hands-on experience in using high-pressure and high-temperature technologies such as diamond-anvil cells (DAC), large-volume presses, autoclave high-pressure reactors, laser- and ohmic-heating, and electric conductivity measurements. Applicants should submit a letter of application addressing the qualifications for this position and date of availability; detailed curriculum vitae; and the names, E-mail, and addresses of 3 professional references to **Professor Choong-Shik Yoo via E-mail ispjobs@wsu.edu (preferred) or via mail to: Department of Chemistry / Institute for Shock Physics, Washington State University, PO Box 642816, Pullman, WA 99164-2816, USA.**(源于 *Physics Today Job* [2012-05-17])

博士后
[美国] University of Colorado Boulder

University of Colorado-Boulder invites applications for a postdoctoral research associate position in the area of experimental space physics. LASP is seeking a highly motivated individual who is passionate about forefront science issues and innovative technology applications for space physics. LASP is a large, multidisciplinary research institute with modern space engineering and operations facility located in the beautiful CU-Boulder Research Park. LASP researchers also work closely with space scientists from other institutes located in Boulder such as the NOAA Space Weather Prediction Center (SWPC), National Geophysical Data Center (NGDC), and the NCAR High Altitude Observatory (HAO). For full

consideration, all application materials: letter of interest, resume, proof of degree, and 3 names of references, should be received via the jobsatcu website below prior to 1 July 2012. However, applications will continue to be reviewed until the position is filled. Applications must be submitted through the jobsatcu website: **https://www.jobsatcu.com/applicants/Central?quickFind =68864. The job posting is #817569.** Only applications submitted through the Jobs at CU website will be considered.(源于 *Physics Today Job* [2012-05-21)

博士后
[美国] Johns Hopkins University

Johns Hopkins University invite applications for a postdoctoral position for a funded project in the area of experimental biomechanics to characterize the mechanical behavior of eye tissues, particularly the sclera and optic nerve head, in mouse models of glaucoma. The candidate is required to have a PhD in Mechanical Engineering, Bioengineering, or a related field; and be experience in developing and conducting mechanical experiments on soft tissues. Experience with digital image correlation is desirable. To apply, submit a complete curriculum vitae, representative publications, and the names and addresses of two references: **Prof. T. D. (Vicky) Nguyen, Harry A. Quigley, MD. E-mail: vicky.nguyen@jhu.edu; E-mail: hquigley@jhmi.edu. Thao (Vicky) Nguyen, Assistant Professor, The Johns Hopkins University, Department of Mechanical Engineering, 125 Latrobe Hall, 3400 N. Charles Str., Baltimore, MD 21218, USA. Phone: (410) 516-4538, Fax: (410) 516-7254, vicky.nguyen@jhu.edu, http://me.jhu.edu/tnguy108.** (源于 *Science* [2012-05-25])

博士后
[美国] Dana-Farber Cancer Institute

Dana-Farber Cancer Institute opens a postdoctoral position to participate in an exciting new area of T cell receptor (TCR) biology involving mechanotransduction. The successful candidate must have a PhD or equivalent and be highly motivated. He/she will work with a team of immunologists and structural biologists seeking to explore the details of how mechanical force upon pMHC ligation signals from the TCR ectodomains through their transmembrane and cytoplasmic tails. The ideal candidate should have excellent skills in biochemistry, molecular biology and T cell functional studies including transfection of T cells, cell growth and functional analysis as well as flow cytometry. If interested, please send your CV, a brief summary of research experience and names of 3 referees to: **Ellis Reinherz, MD, Professor of Medicine, Harvard Medical School and the Department of Medical Oncology, Dana-Farber Cancer Institute, 450 Brookline Ave., Boston, MA 02215, USA; E-mail: ellis_reinherz@dfci.harvard.edu.** (源于 *Science* [2012-05-25])

博士后
[美国] Tulane University

Tulane University invites outstanding postdoctoral fellows conduct research into the pathogenesis of AIDS. Using the nonhuman primate model of AIDS they are examining host and viral determinants and mechanisms that underlie host control of and protection from infection. The successful candidate will have a DVM, MD, or PhD in the life sciences along with evidence of first author papers published or accepted in peer-reviewed journals. The candidate will also have excellent written and verbal communication skills and analytical capabilities and a solid understanding of immunology and virology and techniques such as polychromatic flow cytometry, immunohistochemistry, and in situ hybridization. Molecular biology skills will also be useful. To apply, send a cover letter and curriculum vitae and the names of 3 individuals who may be contacted for references to: **Andrew A. Lackner, DVM, PhD; Professor of Microbiology, Immunology and Pathology; Director, Tulane National Primate Research Center at E-mail: rita@tulane.edu.** (源于 *Science* [2012-05-25])

博士后
[美国] Vanderbilt University

Vanderbilt University opens a postdoctoral position funded by the NIH is available immediately to work on the structure and function of P450 enzymes in steroid hormone biosynthesis (J. Biol. Chem. 287:10613-10622, 2012). Candidates must have a PhD, a strong background in chemistry or biochemistry and experience in macromolecular X-ray crystallography. All crystallographic data collections are being conducted remotely or in person at the Advanced Photon Source, Argonne National Laboratory, to which Vanderbilt crystallographers have extensive access via the Life Sciences CAT at sector 21. Please electronically send your curriculum vitae and the names of at least two references until June 30, 2012 to: **Professor Martin Egli, Department of Biochemistry, Vanderbilt University, School of Medicine, Nashville, TN 37232, USA. E-mail: martin.egli@vanderbilt.edu.** (源于 *Science* [2012-05-25])

助理教授
[美国] Austin Peay State University

Austin Peay State University invites applications for the position of visiting assistant professor or visiting instructor in the Department of Physics and Astronomy. This is a full-time, 9-month, temporary

position to begin Fall, 2012. They have active experimental and computational research in astronomy, atomic/molecular/optical physics, chemical physics, and materials. For more information about the Department, its research and degree programs, and its physical and computational facilities, please visit **http://www.apsu.edu/physics.** Applicants must have earned a Masters degree in physics, astronomy, or a related field, and have the ability to teach undergraduate physics and astronomy classes at the introductory level. Applicants with a PhD and the ability to teach at both the lower- and upper-level are preferred. Research interests that can involve undergraduate students, are complementary to those in the department and/or have potential for collaborative efforts within the department are also preferred. Applicants should submit a cover letter, CV (including names and contact information for 3 references), and statements of Teaching Philosophy and Research Interests, at **http://www.apsu.edu/human-resources/faculty/CurrentJobOpenings/.** (源于 *Physics Today Job* [2012-05-08])

助理教授
[美国] Wittenberg University

Wittenberg University invites applications for a one-year visiting assistant professor/instructor appointment in the Physics Department starting in August, 2012. Included among their facilities are a well-equipped machine shop, dedicated research laboratories, a parallel computing cluster, a 400-kV positive ion accelerator, and an astronomical observatory. Candidates should have a PhD in physics, or be in the process of completing one, and should be able to demonstrate an interest in exemplary undergraduate teaching as well as in research that involves undergraduate students. All applications received before June 1, 2012 will receive full consideration. Screening will continue until the position is filled. Interested applicants must set up an account and make application through our online system. To apply, please click on, or copy/past this link into your browser: **http://wittenberg.interviewexchange.com/jobofferdetails.jsp?JOBID=32175.** Then, upload the following documents in MS Word or Adobe Acrobat format.1. Cover letter; 2. Resume or Curriculum Vitae; 3. Statement of teaching philosophy and research interests; 4. The names and contact information for 3 professional references. If you are a person with a disability and require assistance with the application process, please contact Wittenberg's Human Resources Department at 937.327.7517. (源于 *Physics Today Job* [2012-05-18])

助理教授
[美国] Auburn University

Auburn University is seeking a tenure-track faculty member in computational materials physics (CMP). Preference will be given for a junior level candidate (i.e., assistant professor) but all ranks will be considered. Applicants must have a PhD degree in physics or a closely related field. Experience as a post-doctoral research associate or research scientist is highly desirable. Applicants must have a demonstrated record in atomic scale materials theory and simulation, and show evidence of close collaboration with experimentalists. They seek applicants with experience in: (1) ab initio studies of electronic and transport properties of interfacial electronic materials; (2) materials by design using atomic scale modeling, particularly for solid interfaces/surfaces, layered and/or low-dimensional materials; (3) mesoscale simulation to access longer time/length scales. The successful candidate will be expected to (1) perform innovative research and attract extramural funding; (2) establish collaborations with the current groups of theoretical and experimental solid state physicists; (3) commit to high quality teaching at the undergraduate and graduate level. Excellent communication skills are required. Application materials should be sent (as a single PDF document) including (1) a letter of interest (with the list of 3 references), (2) curriculum vitae, (3) teaching statement, and (4) research/collaboration/funding plan, to Ms. Freddie Killian **(killifl@auburn.edu)**. Review of applications will begin October 1, 2012 and continue until the position is filled.(源于 *Physics Today Job* [2012-05-25])

助理教授
[美国] Auburn University

Auburn University is seeking a qualified individual for a tenure-track faculty position in experimental fusion plasma physics. Preference is for a candidate at the assistant professor level, but all ranks will be considered. Applicants must have a PhD or equivalent degree and post-doctoral research experience is highly desirable. The successful candidate will be expected to: (1) actively participate in the development of novel experiments and diagnostics for the Compact Toroidal Hybrid experiment at Auburn University, (2) contribute to the advancement of the fusion science program at Auburn University on the local, national, and international levels, (3) provide direction to undergraduate, graduate students and post-doctoral researchers in fusion plasma physics, and (4) have a strong commitment to high quality teaching at both the undergraduate and graduate level. Interested candidates should send a letter of interest, a curriculum vitae, and the names of 3 references to Ms. Freddie Killian **(killifl@auburn.edu)**. Review of applications will begin September 1, 2012 and will continue until the position is filled. The desired starting date is August 16, 2013. The candidate selected for this position must be able to meet eligibility requirements to work in the United States at the time appointment is scheduled to begin and continue working legally for the proposed term of employment. The candidate must have excellent communication skills. (源于 *Physics Today Job* [2012-05-25])

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