

· 全球招聘新闻 ·


博士后
 [美国] University of Oklahoma

University of Oklahoma Health Sciences Center (OUHSC) seeks a postdoctoral fellow/research associate to investigate the characterization and application of a novel nanomedicine magnetic delivery system. The successful applicant will work with a multidisciplinary team in the areas of medical physics, magnetic engineering, and physiology. This is a unique opportunity to join a university-based medical device research and development team. The term of this appointment is 7 months and must begin January-March, 2012. Candidate should have a PhD in medical physics, physics, biophysics, biomedical engineering, or a related field. Excellent lab skills, hands-on experience with testing equipment, proficiency in programming (Labview, MATLAB, C/C++), and the ability to publish the research results are preferred. Excellent written and oral communication skills are expected. Experience in magnetic physics and experimental design/implementation is desired. Qualified candidate should submit his/her CV and three references who can provide letters of reference to the following address: **Isaac Rutel, PhD, Assistant Professor, Medical Physics, OUHSC - Dept of Radiological Sciences, 940 NE 13th St., Suite 4G-4250, Oklahoma City, OK 73104-5008, USA. E-mail: Isaac-rutel@ouhsc.edu.** (源于 *Physics Today Job* [2012-01-01])


博士后
 [美国] The State University of New York,
 Buffalo

The State University of New York, Buffalo opens a postdoc positions in Singular Optics in Metamaterials. Qualified candidates must have a PhD in physics, applied physics, optics, electrical engineering or related areas with an outstanding research record and experience. The position is initially for 2 years (performance evaluation and renewal each year). Successful candidates will conduct basic research and interact with the principal investigators Profs. Natalia M. Litchinitser and Alexander N. Cartwright, graduate students, and collaborators. The Electrical Engineering department at SUNY Buffalo has a strong focus on optics and photonics and the state-of-the-art fabrication, experimental, and computational facilities. Project Summary: Recent experimental demonstrations of optical metamaterials opened unprecedented opportunities for manipulating light propagation in linear and nonlinear regimes. Instead of the usual atoms and molecules, metamaterials are built of artificially created meta-atoms that can be engineered to realize fundamentally new material properties unattainable in any other way. These include negative or ultra-low indices of refraction, magnetism at optical frequencies, and greatly enhanced optical nonlinearities. The objective of this project is to investigate fundamental optical phenomena at the interface of two emerging fields of modern optical physics - singular optics and optical metamaterials. They will

conduct basic theoretical studies, extensive numerical modeling, design, fabrication, and experimental studies to understand spin-orbit interaction effects that appear when a wave carrying spin interacts with linear and nonlinear nanostructured metamaterials. The proposed studies will be based on their recent theoretical and experimental studies of linear and nonlinear optics in metamaterials. If you are interested in joining this research project as a Postdoctoral Fellow, please contact: **Natalia M. Litchinitser, PhD Associate Professor, natashal@buffalo.edu.** (源于 *Physics Today Job* [2012-01-01])


博士后
 [美国] Syracuse University

Syracuse University opens 2 postdoctoral positions in the Soft Matter Program. This program aims to recruit highly talented young physicists at early stages of their career. The Scholars will be affiliated with the new Syracuse Soft Matter Program in the Department of Physics and will be provided with: independence in the selection of research projects for the duration of the three-year fellowship; a competitive stipend and \$5K travel allowance. Postdoctoral scholars will have the opportunity to collaborate with faculty members (including Profs. Mark Bowick, Lisa Manning, Cristina Marchetti and Jen Schwarz) and graduate students on a wide range of topics, including order on curved interfaces, percolation and jamming in granular systems, collective behavior in active matter such as cell colonies or tissues, and deformations in amorphous solids. Scholars will also be able to interact with researchers at the Syracuse Biomaterials Institute. For full consideration, interested applicants should complete an online application at www.sujobopps.com (job number 028514) and attach a cover letter, Curriculum Vitae, and the names and emails of three references. (源于 *Physics Today Job* [2012-01-01])


博士后
 [美国] University of Pennsylvania

University of Pennsylvania opens two postdoctoral fellowships positions in the Department of Radiation Oncology's clinical photodynamic therapy (PDT) research program, focusing on PDT dosimetry and treatment planning. Current projects include development of innovative light blanket for pleural PDT treatment, development of a treatment planning system for pleural PDT with realtime image guidance, characterization of tissue optical properties in vivo, light fluence calculation and light source optimization for light delivery, singlet oxygen modeling, diffuse-optical tomography, diffuse absorption spectra to monitor in vivo tissue oxygenation, blood volume, and drug concentration. Responsibilities will also consist of design and development of a GUI-based treatment planning system for image-guided treatment planning system

(IGPDT). Additional responsibility includes deformable image registration with other image modalities (MRI and CT) for IGPDT and image-guided radiation therapy (IGRT). Qualifications: A PhD degree in engineering, physical sciences or equivalent is required and preference will be given to applicants with a proven track record in biomedical research, especially in optical spectroscopy, multi-modality image registration and in finite-element analysis. Experience in the following is highly desired: programming in Matlab, photon transport in tissue, medical imaging, fiber optics and lasers, small animal handling, and optical instrumentation design. To apply, submit a CV and the names of three references. Interested candidates should send their curriculum vitae to: **Timothy C. Zhu, PhD and Jarod C. Finlay, PhD, Division of Physics, Department of Radiation Oncology, University of Pennsylvania, 3400 Civic Center Blvd, TRC 4, Philadelphia, PA 19104-4283, USA. E-mail: tzhu@mail.med.upenn.edu, finlay@mail.med.upenn.edu.** (源于 *Physics Today Job* [2012-01-01])



博士后

[美国] University at Buffalo

University at Buffalo, SUNY invites applications for a postdoctoral position in the solid state quantum computing theory group. The nominal starting time is September 2012. Current research interests within the group include decoherence of multi-qubit systems, entanglement through a spin bus, coherent control of a spin bus, and entanglement and quantum correlations near quantum phase transitions. For more information please check out the group website at <http://www.physics.buffalo.edu/xhu/>. Interested applicants please apply online at www.ubjobs.buffalo.edu/applicants/Central?quickFind=54685. For inquiries please E-mail Professor X. Hu at xhu@buffalo.edu. The position is open until filled. (源于 *Physics Today Job* [2012-01-01])



助理教授

[美国] Northern Illinois University

Northern Illinois University invites applications for an anticipated tenure-track assistant professorship focused on secondary science teacher certification in the newly formed Center for Secondary Science and Math Education (CSSME). The home department will be either Chemistry and Biochemistry or Physics. The anticipated starting date is August 16th, 2012. Teacher certification credentials and a PhD in chemistry or physics are required at the time of appointment. The successful candidate will develop a nationally recognized, externally funded research program in either science education or a sub-discipline of the home department. For additional information about the home departments, see <http://www.chembio.niu.edu/chembio/> or <http://www.niu.edu/physics/>. Applications including CV, statements of teaching and research interests, and 3 letters of recommendation should be submitted

electronically to: **Judy Boisen, Coordinator for Secondary Science Education Certification, College of Liberal Arts and Sciences, Northern Illinois University, DeKalb, IL 60115, USA (teachscience@niu.edu).** (源于 *Physics Today Job* [2012-01-01])



助理教授

[美国] University of North Texas

University of North Texas (UNT) seeks to fill a position at the associate professor level in Optical Physics. The job responsibilities include establishing an independent research program that attracts external funding and supports graduate students. A PhD in Physics or a closely related field is required in addition to research experience beyond the PhD. Preference will be given to applicants with a background in experimental photonics. The Department of Physics values teaching at both the undergraduate and graduate level and currently has over twenty-five full-time faculty. The Dallas-Fort Worth-Denton metroplex is home to a diverse population of high technologies that provide a broad collaborative base for research activities. Further information regarding the department may be obtained by visiting their website (www.phys.unt.edu) or by contacting the Chair of the Department. Review of applications will begin December 2011. Applications will continue to be accepted until the search is closed. All applicants must apply online at: <http://facultyjobs.unt.edu> and submit a letter of application, including a brief research plan, the names and contact information of three references and Curriculum Vita. (源于 *Physics Today Job* [2012-01-01])



助理教授

[美国] Indiana University-Purdue University Fort Wayne

Indiana University-Purdue University Fort Wayne Physics Department invites applications for a tenure-track assistant professor position starting Fall 2012. Requirements include a PhD and commitment to excellence in undergraduate teaching. This position will have a 0.75 teaching and 0.25 research commitment with expectations that the successful candidate develops an active and independent on-campus research program involving undergraduates. Research areas of interest are: Applied Physics, Astronomy, Atomic and Molecular Physics, Biophysics, Chemical Physics, Computational Physics, Fluid Dynamics, Medical Physics, Nonlinear Physics, and Optics. The Indiana University Purdue University Fort Wayne Physics Department offers BS degrees in Physics and Physics Teaching. Submit cover letter, CV, reprints, research and teaching philosophy statements, and three recommendation letters to **Mark F. Masters, Chair, Department of Physics, IPFW, Fort Wayne, IN 46805, USA** or E-mail masters@ipfw.edu. Applications received by February 15, 2012 will be given full consideration. (源于 *Physics Today Job* [2012-01-01])



助理教授 [美国] The University of Chicago

University of Chicago invite applications for a tenure-track faculty position in all areas of condensed matter theory (CMT). They encourage applications from candidates with an outstanding record of research in hard or soft CMT. The successful candidate must have a doctoral degree in physics or related fields, and is expected to establish an independent research program while effectively contributing to the Department's undergraduate and graduate teaching programs. The appointment is expected to be at the assistant professor level; however, an associate or full professor appointment is possible for exceptionally well-qualified candidates. Applicants must apply online at The University of Chicago academic jobs website <http://tinyurl.com/c2mof32> and upload a cover letter, a curriculum vitae, a list of publications, and a brief research statement. Applicants must also arrange for three recommendation letters to be sent to: **CMT Search Committee, c/o Ms. Rosemary Garrison, The University of Chicago, The James Franck Institute, GCIS E145, 929 E. 57th St., Chicago, IL 60637, USA or via E-mail to rg-garrison@uchicago.edu**. Review of completed applications will begin on February 15, 2012. To ensure full consideration, applications and recommendation letters should be received no later than that date. (源于 *Physics Today Job* [2012-01-01])



助理教授 [美国] Gustavus Adolphus College

Gustavus Adolphus College invites applications for a one-year position of visiting assistant professor for the Department of Physics to begin September 1, 2012. They seek candidates who have an earned doctorate in physics, but will consider candidates who have achieved ABD status. The successful candidate must have a record of successful physics teaching at the TA level or beyond, and be comfortable teaching with modern laboratory instructional equipment and software. Experience with a variety of teaching methods and/or curricular perspectives is also desirable. Primary responsibilities during the fall and spring semesters will include approximately 12 contact hours per week in lecture and laboratory courses at the introductory and upper level for various audiences. Additionally, the successful candidate will be expected to teach a course during their interim January term (a one month short course). There will be some opportunities for visiting faculty to collaborate in undergraduate research in AMO, optics, acoustics, and other fields, although research activity is not an expectation of these positions. A commitment to teaching is important. To apply, send letter of application, complete curriculum vitae, transcripts (photocopies acceptable), and three letters of professional recommendation. At least one letter must be from a person who can supply an informed evaluation of the applicant's teaching experience. Address all materials to: **Dr. Paul Saulnier, Chair, Department of Physics,**

Gustavus Adolphus College, 800 West College Avenue, Saint Peter, MN 56082 -1498, USA. www.gustavus.edu/humanresources. For more details, see the position announcement at <http://physics.gustavus.edu/position.htm>. Inquiries regarding the completeness of applicant files should be directed to Ms. Linda Hewitt at hewitt@gustavus.edu. (源于 *Physics Today Job* [2012-01-01])



助理教授 [美国] Missouri Southern State University

Missouri Southern State University in Joplin, MO seeks applicants for a 10-month non-tenure track faculty position at the rank of assistant professor, beginning in August 2012. Teaching responsibilities will include general physics, college physics, physical science, and electric circuits. Ability to teach electronics and electric circuits is essential. Interest in on-line lower level physical science courses is a plus. Qualifications: Earned doctorate degree in physics or related area; ABD considered. Review of applications will begin immediately and continue until the position is filled. Applicants must be lawfully authorized to work in the United States. Applicants should submit a detailed letter of application, curriculum vitae (with the names, addresses, E-mail addresses and phone numbers of three references), teaching philosophy, and copies of undergraduate and graduate transcripts. (Official transcripts are required 45 days after contract is issued). Submit documents to FacultyVitae@mssu.edu; include: "Physics - Assistant Professor" in the subject line. Employment is contingent upon a successful criminal background check. (源于 *Physics Today Job* [2012-01-01])



助理教授 [美国] Lawrence University

Lawrence University invites applications for a two-year appointment as visiting assistant professor of Physics to start 9/1/12. Applicants must hold the PhD degree in physics, astronomy, or a closely related field and must demonstrate genuine interest in working with undergraduates. They seek a conscientious teacher and a practicing physicist who will thrive in a four-year, liberal arts institution where close contact and collaboration with students are the norm. Prior teaching and/or postdoctoral experience preferred. Letters of application with detailed statements of teaching philosophy and experience and of research interests, vitae, and two letters of recommendation should be sent electronically to search_physics@lawrence.edu or by E-mail to: **Dr. Matthew R. Stoneking, Department of Physics, Lawrence University, 711 E. Boldt Way, Appleton, WI 54911, USA.** To guarantee consideration, submit materials by March 9. Evaluation of candidates will begin on that date and continue until the position is filled. Additional

information about Lawrence and the Department may be found at <http://www.lawrence.edu/dept/physics/>. (源于 *Physics Today Job* [2012-01-02])



助理教授

[美国] Lynchburg College

Lynchburg College invites applicants for a full-time, tenure-track assistant professor position to begin in August, 2012. A doctoral degree in Physics or related field is required; post doctoral experience (research and/or teaching) is a plus. They seek an astronomer or astrophysicist who will teach introductory astronomy courses and an occasional physics course, develop a research program suitable for undergraduates, and, depending on future enrollment, develop an astrophysics emphasis in their physics major. They recently opened a new observatory about 45 minutes from campus, featuring a 20-in Truss Ritchey-Chrétien telescope and six Celestron CPC 800 8-inch Schmidt-Cassegrain telescopes. They observatory serves them in three ways: teaching facility, research facility, and service facility (Open Houses, alumni events, etc.). For additional information on the physics program, please visit: <http://www.lynchburg.edu/physics.xml>. Selected candidate must successfully pass a background check that is satisfactory to the College. Interested applicants should send a letter of application with position number, a curriculum vita, a statement of teaching philosophy and research plans, name and contact information for references, and copy of undergraduate and graduate transcripts to **Desi Justis, Physics Search, School of Sciences, Lynchburg College, 1501 Lakeside Drive, Lynchburg, Virginia 24501, USA**. E-mail applications will be accepted in MS Word or PDF format sent to justis.d@lynchburg.edu. Review of applications will begin immediately and continue until the position is filled. (源于 *Physics Today Job* [2012-01-06])



助理教授

[美国] Washington State University

Washington State University invites applications for a tenure-track faculty position in bioengineering at the assistant professor level. The position will be based at the Pullman campus. Successful candidates must hold a doctorate in bioengineering, chemical engineering, or a closely related discipline. Applications are especially encouraged from individuals with a strong record of publication in high impact, peer-referred and archival journals and evidence for potential to establish an externally funded research program. Applicants with research in an area closely related to their current strengths in cellular and protein engineering, cellular/tissue biomechanics, biofilm engineering, biochemical engineering and engineering education are encouraged. Interested candidates should submit a letter of application, a detailed curriculum vitae, names and contact information of four references, a statement of research

plans and a statement of teaching interests to: www.wsujobs.com/applicants/Central?quickFind=56748. The letter should be addressed to Dr. Wen-Ji Dong, Chair Search Committee, Gene and Linda Voiland School of Chemical Engineering and Bioengineering, Washington State University. Screening of application materials will begin immediately and will continue until the position is filled. Preferred starting date of this new position is August 15,2012. (源于 *Science* [2012-01-06])



助理教授

[美国] Idaho State University

Idaho State University (www.isu.edu/departments/bios) invites applicants for 9 month, tenure-track position in Microbiology at the assistant professor level to start Fall 2012. All areas of Microbiology will be considered. Candidates should outline how they will complement current departmental strengths in microbial molecular genetics and biochemistry, extremophile microbiology, and biomedical research. The successful candidate is expected to develop and maintain a vigorous, externally funded research program, to teach effectively at both the undergraduate and graduate levels and perform professional and university service. A doctoral degree in Microbiology or a related discipline and post-doctoral experience are required. Review of applications will begin January 16, 2012, and will continue until the position is filled. For full consideration, please apply through the Idaho State University Human Resources website (www.isujobs.net). (源于 *Science* [2012-01-06])



教授

[美国] Columbia University

Columbia University Department of Physics is seeking to make a senior appointment at the rank of full professor in theoretical high energy physics (broadly interpreted). They encourage applications from candidates with an outstanding record of research who can take a leadership role in a premier program, continuing a long Columbia record of forefront accomplishments in theoretical physics. Candidates are expected to have a doctoral degree in physics or a related field, and to have a demonstrated record of major contributions to the field, along with excellence in teaching and mentoring at both the undergraduate and graduate levels. Candidates should submit with their application a cover letter, Curriculum Vitae (including publication list), and brief statements of their research plans and of teaching philosophy. Please visit their online application site at <https://academicjobs.columbia.edu/applicants/Central?quickFind=55743> for further information about this position and to submit your application. Review of applications will begin immediately and continue until the position is filled. (源于 *Physics Today Job* [2012-01-05])

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