

Subject: NSHP News: Dec. 9, 2009

**The Hispanic Physicist**  
**A news service of the National Society of Hispanic Physicists**

**Please send news, letters, congratulations, announcements, to**

**Dr. Jorge A. López, Physics Department, Univ. Texas at El Paso**

**(915) 747-7538, e-mail: [jorgelopez@utep.edu](mailto:jorgelopez@utep.edu)**

**NSHP web site: <http://www.hispanicphysicists.org>**

- 1. Tenure-track Assistant Professor Position, Lehigh University**
- 2. NYU Postdoctoral and Transition Program for Academic Diversity Fellowship**
- 3. Two Assistant/Associate Professor Tenure-Track Positions, Department of Physics and Astronomy, University of Denver**
- 4. Department of Astronomy, Cornell University, 2010 Research Experiences for Undergraduates**
- 5. Graduate Studies, Astrophysical Sciences and Technology, Rochester Institute of Technology**
- 6. APS Scholarship Program for Minority Undergraduate Physics Majors**
- 7. The Society of Physics Students offers scholarships for future physics teachers**
- 8. Biophysical Society Summer Course in Biophysics 2010 Scholarship Application Now Available!**
- 9. Biophysical Society 54th Annual Meeting, February 20-24, 2009, San Francisco, CA**
- 10. Summer Scientific Research Opportunity in India - Summer 2010**
- 11. Chairperson, Department of Physics and Astronomy, Appalachian State University**
- 12. Tenure-Track Assistant Professor, The University of**

**Nevada, Reno**

- 13. Solar/Stellar Astrophysics Assistant/Associate Professor, New Mexico State University**
- 14. Experimental Condensed Matter Faculty Position, College of William and Mary**
- 15. Condensed Matter Theory Faculty Position, College of William and Mary**
- 16. Experimental Nuclear Physics Faculty Position, College of William and Mary**
- 17. Assistant Professor in Astronomy, Whitman College**
- 18. Tenure-Track in Biophysics, Department of Physics and Astronomy, Colgate University**
- 19. Tenured Position in Condensed Matter Experiment, University of Maryland**
- 20. Physics Instructor, Dept. Physics & Astronomy at Washington State University branch campus in Richland, Washington**
- 21. Faculty Position in Particle Astrophysics and Cosmology Department of Physics, The Ohio State University**
- 22. Tenure-Track Assistant/Associate/Full Professor in Science Education, Texas A&M University - Commerce**
- 23. Tenure-Track Assistant/Associate/Full Professor in Astrophysics/Astronomy, Texas A&M University – Commerce**
- 24. The University of Kansas, Faculty Position, Theoretical High Energy Physics**
- 25. Assistant/Associate Professor – Experimental Physics, Department of Physics, University of Texas at El Paso**

**1. Tenure-track Assistant Professor Position, Lehigh University**

The Department of Physics at Lehigh University seeks to fill a tenure-track position at the Assistant Professor level beginning in August 2010. Candidates should have a PhD in Physics (or equivalent), a strong interest in teaching at both the undergraduate and graduate levels, the ability to conduct a vigorous research program in Experimental Condensed Matter Physics of Nanoscale systems. The successful candidate is expected to become active in research areas such as quantum physics of nanoscale systems, energy applications, nanophotonics, nanoscale systems in biophysics, and to have a strong expertise in nanofabrication.

The Department of Physics has established research programs in condensed matter physics, nanoscience and carbon nanomaterials, nonlinear optics and photonics, soft materials and biophysics, statistical physics, plasma physics, astrophysics, and atomic and molecular physics. We expect the successful candidate to strengthen and complement existing fields, to participate in interdisciplinary activities with faculty in other Departments, as well as at Lehigh's Center of Advanced Materials and Nanotechnology and Center for Optical Technologies.

Applicants should e-mail a single PDF file containing a cover letter, a curriculum vitae, a statement of research and teaching interests, a list of publications, and the names and affiliation of three references, to the Chair of the Physics Search Committee, Department of Physics, Lehigh University, at [inphys@lehigh.edu](mailto:inphys@lehigh.edu). Consideration of the candidates will commence on January 10, 2010.

The College of Arts and Sciences at Lehigh University is committed to increasing the diversity of the college community and curriculum. Candidates who can contribute to that goal are encouraged to apply and to identify their strengths or experiences in this area. Lehigh University is an Equal Opportunity Affirmative Action Employer. Lehigh

University provides comprehensive benefits including partner benefits.

## **2. NYU Postdoctoral and Transition Program for Academic Diversity Fellowship**

New York University (NYU) is dedicated to ensuring that its scholarly community is ready to compete in a global world and is enriched by individuals, who, through their different races and ethnicities, nationalities, gender identities, age, abilities, political beliefs, spiritual beliefs, economic status, and sexual orientation, contribute to an intellectually challenging and inclusive educational environment. To that end, NYU has created the NYU Postdoctoral and Transition Program for Academic Diversity fellowship program to support promising scholars and educators from different backgrounds, races, ethnic groups, and other diverse groups whose life experience, research experience, and employment background will contribute significantly to academic excellence at NYU.

Eligibility. The fellowship program is open to all areas of study at the University. U.S. citizens or permanent residents who are from the following three categories may apply: (1) Graduate students in the final year of their dissertation; (2) Postdoctoral students who have completed their dissertation within the last three years; (3) Professionals transitioning to academic careers (for those in fields for which the doctorate is not the terminal degree).

Awards. NYU will award up to five in-residence fellowships in 2010. The two-year appointments, which begin September 2010 and end August 2012, have a possibility of a third-year extension. Graduate students in the final year of their

dissertation must make significant progress toward the dissertation. Fellows teach a maximum of one course per semester.

Stipends and Allowances. Fellows receive an annual stipend of \$40,000, as well as allowances for housing (\$20,000), research (\$2,000), and one-time relocation (\$3,000). The University also provides a medical and dental benefits package.

Application Procedure. Required application materials include: (1) a fellowship application; (2) a curriculum vitae; (3) a statement of research and goals; (4) a personal statement detailing the reasons for applying for the fellowship; (5) three letters of reference from individuals familiar with your scholarly or creative work; (6) and one of the following: a dissertation abstract (postdoctoral applicants), a dissertation proposal (doctoral students), or a statement of how your professional experience prepares you for a faculty position (professionals). Incomplete submissions will not be accepted. All materials must be received by November 30, 2009. Applications will be reviewed as they are received. Awards will be announced on February 15, 2010.

Contact: NYU Postdoctoral & Transition Program for Academic Diversity, Office of the Vice Provost for Faculty Development, 70 Washington Square South, #1230, New York, NY 10012

**3. Two Assistant/Associate Professor Tenure-Track Positions, Department of Physics and Astronomy, University of Denver**

The Department of Physics and Astronomy at the University of Denver underwent strong expansion with six new Assistant Professor positions filled in the last three years. New positions were filled in condensed matter physics, astrophysics, and biophysics. This announcement invites applications for two positions: (1) a tenure-track assistant professorship in experimental condensed matter physics; (2) a tenure-track assistant or associate professorship in computational or theoretical condensed matter physics. For the second position, we will also consider exceptional candidates in astrophysics with overlapping interests in nanophysics or biophysics who can participate in the interdisciplinary initiatives mentioned below.

Both positions will begin in September 2010. We are especially interested in candidates with research relevant to our involvement in the university's new interdisciplinary initiatives, the *Center for Nanoscale Science and Engineering* and the *Molecular Life Science and Biophysics Program*. The successful candidate will have a B.S. in physics and Ph.D. in physics or related discipline, will develop an extramurally funded research program, will supervise undergraduate and graduate research, and will teach undergraduate and graduate courses. Individuals with postdoctoral experience are particularly encouraged to apply. More information about the department can be found at <http://www.physics.du.edu>. The Department offers degrees through the Ph.D.

Applicants must apply through the website: <https://www.dujobs.org>. The application should include: a cover letter, curriculum vitae, statements of teaching philosophy, proposed research program, and names of at least three references. The selection process will begin on January 15, 2010, and continue until the positions are filled.

#### **4. Department of Astronomy, Cornell University, 2010 Research Experiences for Undergraduates**

The Department of Astronomy of Cornell University is pleased to announce its summer undergraduate research program. Students will work on individual research projects with Cornell faculty and research staff on topics covering a wide range of disciplines in radio, infrared, optical, and radar astronomy, and related theoretical topics. Students interested in computer science are also encouraged to apply.

The Research Assistantships, which include a stipend of \$6,000 and relocation funds up to \$1,000, are for a flexible ten-week period in the summer. First-, second-, or third-year undergraduates who are US citizens or permanent residents may apply. Students must have completed at least one year of undergraduate academic training by June 2010. Eight Research Assistantships will be available.

Completed applications AND supporting materials must be received by February 5, 2010.

Program funded by the National Science Foundation.  
<http://astro.cornell.edu/specialprograms/reu/index.html> Or  
contact: REU Astronomy Coordinator [reu@astro.cornell.edu](mailto:reu@astro.cornell.edu)  
(607) 255-0288

#### **5. Graduate Studies, Astrophysical Sciences and Technology, Rochester Institute of Technology**

The RIT masters and PhD programs in Astrophysical Sciences and Technology provide students a comprehensive curriculum and a broad range of research opportunities. Faculty regularly obtain data from the most advanced facilities in the world and have 62 funded research projects,

offering immediate research opportunities. Opportunities for research include Stellar, Galactic, and Extragalactic Astrophysics as well as the Center for Computational

How to Apply: Applications can be submitted on-line: [www.rit.edu/cos/astrophysics/](http://www.rit.edu/cos/astrophysics/). For more information email: [astroinfo@astro.rit.edu](mailto:astroinfo@astro.rit.edu), Dr. Chris O'Dea, Chair, Graduate Recruitment and Admissions

Explore your interests amongst this rich set of opportunities. Develop the next generation of exciting astrophysics facilities.

- Supermassive Black Holes
- Dark Energy
- Gravitational Waves
- Supernovae
- Massive Stars
- The Galactic Center
- Stellar Life Cycles
- Clusters Of Galaxies Astro-informatics
- Computational Astrophysics

## **6. APS Scholarship Program for Minority Undergraduate Physics Majors**

Do you know a minority high school senior, college freshman or sophomore who is interested in majoring in physics and could benefit from a scholarship with built-in mentoring?

The American Physical Society is once again pleased to offer the APS Scholarship Program for Minority Undergraduate Physics Majors. This excellent, highly competitive scholarship program not only provides funding to

students, but also a great deal of student support. We encourage all eligible students to apply right away using our new online application.

Eligibility includes:

- African Americans, Hispanic Americans, or Native Americans
- High school seniors, college freshmen or sophomores
- US citizens or permanent legal residents
- Physics majors and those planning to major in physics

Award:

- \$2,000 for new students, and \$3,000 for renewal students
- A local physics mentor
- An APS physics mentor

To Apply:

- Check out the easy-to-use online application.
- [www.aps.org/programs/minorities/honors/scholarship/](http://www.aps.org/programs/minorities/honors/scholarship/)

Deadline: February 5, 2010

- The online application form must be completed and all supporting documents must be postmarked by the deadline date

Questions? Email [minorityscholarship@aps.org](mailto:minorityscholarship@aps.org)

## **7. The Society of Physics Students offers scholarships for future physics teachers**

The Society of Physics Students offers an annual \$2,000

scholarship for a future physics teacher. This year's application deadline is February 15, 2010. For more information, see <http://www.spsnational.org/programs/scholarships/teacher.htm>.

Contact: Gabe Popkin, PhysTEC/Education Projects Manager, American Physical Society, One Physics Ellipse, College Park, MD 20740, 301-209-3251, [popkin@aps.org](mailto:popkin@aps.org)

### **8. Biophysical Society Summer Course in Biophysics 2010 Scholarship Application Now Available!**

Biophysical Society Summer Course in Biophysics: Case Studies in the Physics of Life University of North Carolina, Chapel Hill -- May 19, 2010 - August 6, 2010. Application Deadline: May 5, 2010 This course includes 3 course credits, stipend, lab experience, career counseling, and more. The Summer Course in Biophysics is open to 12 students. For eligibility requirements, detailed course description, and to apply, go to <http://www.biophysics.org/2009SummerCourse/tabid/898/Default.aspx> . For questions regarding the Summer Course, please contact Julianna Wittig (Course Administrator) at [jwittig@biophysics.org](mailto:jwittig@biophysics.org) .

### **9. Biophysical Society 54th Annual Meeting, February 20-24, 2009, San Francisco, CA** 54th Annual Meeting of the Biophysical Society San Francisco, CA February 20 - 24, 2010

Undergraduate Student Symposium, Sunday, February 21, 11:30 AM - 1:00 PM This program introduces college and university undergraduates to research and career

opportunities in biophysics through a seminar on emerging topics in biophysics and the Emily M. Gray award lecture. A special Graduate & Postdoc Institution Fair will follow the symposia. Undergraduate students that reside within a 75-mile radius of the Moscone Center may attend these events for free! and have access to the entire Meeting on this day. For more information and to register, go to:  
<http://www.biophysics.org/2010meeting/tabid/672/Default.aspx> Contact: Julianna Wittig, Committees & Meetings, Biophysical Society, 9650 Rockville Pike, Bethesda, MD 20814-3998, Phone: (301) 634-7114, Fax: (301) 634-7133, Email: [jwittig@biophysics.org](mailto:jwittig@biophysics.org)

## **10. Summer Scientific Research Opportunity in India - Summer 2010**

Study Astronomy/Astrophysics in India - Summer 2010 - This International Research Experience for Students (IRES) program is administered by the National Solar Observatory (NSO), sponsored by the National Science Foundation's (NSF) Office of International Science and Engineering (OISE), and is open to US graduate students in any discipline of astronomy or astrophysics. The main goal of the program is to expose potential researchers to an international setting at an early stage in their careers. The program will take place in Bangalore, India, under the auspices of the Indian Institute of Astrophysics (IIA), a premier national center devoted to research in astronomy, astrophysics and related physics. Additional information and application materials are available on the Web at <http://eo.nso.edu/ires/>. All application materials must be received by January 26, 2010.

## **11. Chairperson, Department of Physics and Astronomy, Appalachian State University**

The Department of Physics and Astronomy at Appalachian State University ([www.physics.appstate.edu](http://www.physics.appstate.edu)) invites applications and nominations for the position of department Chairperson, with a start date of July 1, 2010. Applicants must hold a Ph.D. in Physics, Astronomy, or a related field, and must be eligible for tenure at the rank of Associate or Full Professor.

Applicants must provide evidence of excellence in undergraduate and graduate instruction, research, and outreach, with preference for those with administrative experience. The successful candidate will possess outstanding communication, interpersonal, and mentoring skills in support of faculty, staff, and student development. While providing leadership toward meeting or exceeding departmental and institutional goals, including interdisciplinary teaching and research, the Chairperson will enhance existing levels of external funding, and will develop foundational support, academic collaborations and corporate partnerships. Department Chairpersons normally teach one class per semester and maintain an active research program.

The department offers B.S. degrees in Applied Physics and Secondary Education - Physics, a B.A. in Physics, an M.S. in Engineering Physics, and a Professional Science Master's concentration in Instrumentation and Automation. Facilities include, but are not limited to: the Dark Sky Observatory; the state-of-the-art Rankin Astronomy Instructional Facility; a new nanoscience and advanced materials laboratory including extensive electron, ion and scanned probe microscopy facilities; an electrostatics laboratory; an ion

trapping laboratory; optoelectronic and spectroscopy research facilities; instrumentation and automation research and instruction labs; and a well-established teaching and demonstration infrastructure. . Examples of faculty research areas include: eclipsing binaries, asteroid research, stellar spectroscopy, exoplanets, atmospheric and environmental physics, archeophysics, biophysics, early universe physics, physics education research, nanoscience, and advanced materials research. The department houses a complete machine shop and electronics shop. In addition, the department hosts the editorial offices of *The Physics Teacher* magazine. The department has 14 tenure-track faculty members, six part-time faculty, four staff, approximately 75 undergraduate majors, and 20 master's students.

Appalachian State University is a member institution of the 16-campus University of North Carolina System. Located in Boone, NC, in the beautiful Blue Ridge Mountains, the University has approximately 17,000 students and has been ranked by U.S. News and World Report as 3rd among top public master's degree-granting universities in the South for 2010. The American Institute of Physics (AIP) ranks our Engineering Physics master's program within their unordered list of the top 13 master's-terminal programs nationwide ([www.aip.org/statistics](http://www.aip.org/statistics)). The AIP also ranks the department second among master's granting institutions that award the most undergraduate bachelor's degrees. Additional information about the Department of Physics and Astronomy, the University, and surrounding area can be found on the University's website ([www.appstate.edu](http://www.appstate.edu)).

Applicants must send a complete application consisting of: letter of application; current curriculum vitae; three letters of recommendation including names, email addresses, and

telephone numbers; and statements of teaching philosophy, administrative philosophy, and research plans that specifically address undergraduate participation to: Dr. Patricia E. Allen, [phychairsearch@appstate.edu](mailto:phychairsearch@appstate.edu). *Electronic applications required in pdf format only*. Complete applications may also be mailed to Dr. Patricia E. Allen, Department of Physics & Astronomy, ASU PO Box 32106, Appalachian State University, Boone, NC 28608. Review of complete applications will begin November 1, 2009, and will continue until the position is filled. Appalachian State University is an Affirmative Action/Equal Opportunity Employer with a strong institutional commitment to the achievement of excellence among its faculty, staff and students; to the principles of diversity and inclusion; and to maintaining a work and learning environment that is free of all forms of discrimination.

## **12. Tenure-Track Assistant Professor, The University of Nevada, Reno**

The University of Nevada, Reno Physics Department invites applications for a full-time tenure-track position at the rank of assistant professor. Priority will be given to experimentalists in one or more of the following areas: high-energy-density plasma physics; atomic, molecular, and optical physics; or atmospheric physics. The successful candidate is expected to be an effective teacher and carry out a vigorous research program. A competitive startup package is available. Submit a cover letter, curriculum vitae including list of publications, statements of research plan and teaching philosophy, and the names and contact information of three references online at

<http://www.unrsearch.com/applicants/Central?quickFind=541>

77. Applications should be received by January 31, 2010 to ensure full consideration. The University of Nevada, Reno is an Equal Opportunity/Affirmative Action Employer.

### **13. Solar/Stellar Astrophysics Assistant/Associate Professor, New Mexico State University**

The New Mexico State University (NMSU) Department of Astronomy invites applications for a tenure-track faculty position in Solar/Stellar astrophysics beginning August 2010. We expect that this appointment will be filled at the level of Assistant Professor, but appointment at the Associate Professor level may be possible in exceptional cases.

Qualifications: Applicants must have a Ph.D. in astronomy, astrophysics, physics, or a closely related field. Candidates with a demonstrable research record in fields associated with work done at the National Solar Observatory (NSO) are encouraged to apply. Example fields include solar/stellar structure and dynamics, solar activity, space weather, spectropolarimetry, MHD, and the solar-stellar connection. See the NSO Long Range Plan FY2009-2013 available on the NSO web site for further details. Of particular interest are candidates with expertise in solar or stellar pulsations and also high-resolution solar observations and their interpretation. The successful candidate will ideally provide evidence of their ability to deliver high quality instruction at the graduate and undergraduate levels, a sustained external research funding record, and experience as an advisor to MS and PhD students.

How to Apply  
Dr. Bernard McNamara

Chair, Faculty Search Committee  
Department of Astronomy  
New Mexico State University, MSC 4500  
1320 Frenger St.  
Las Cruces, NM 88003-8001  
astfaculty@nmsu.edu or (575) 646-4438

#### **14. Experimental Condensed Matter Faculty Position, College of William and Mary**

The Department of Physics of the College of William and Mary invites applications for a tenure-track assistant professor position in experimental condensed matter physics, to begin Fall 2010. The successful candidate is expected to establish an internationally recognized research program that complements and enhances the existing strengths in the department, which has about 30 faculty members and 60 PhD graduate students. William and Mary has a strong tradition of excellent teaching, and the successful candidate will be expected to play an important role in both the undergraduate and doctoral programs of the Physics Department.

Review will begin on January 1, 2010 and materials will be accepted until the position is filled. Further information on the W&M Physics Department and this search can be found at:  
<http://www.wm.edu/physics>

W&M is an EEO/AA employer.

Applicants should visit <http://jobs.wm.edu> to complete

voluntary demographic data for equal opportunity purposes. Send a curriculum vita, statement of research interests, and arrange to have three letters of reference sent to us (indicate your references in the application) at the address below.

Chair, Experimental Condensed Matter Search  
Department of Physics 300 Ukrop Way  
College of William and Mary  
P.O. Box 8795 Williamsburg, VA 23187-8795

e-mail: [cmexpsearch@wm.edu](mailto:cmexpsearch@wm.edu)

### **15. Condensed Matter Theory Faculty Position, College of William and Mary**

The Department of Physics of the College of William and Mary invites applications for a tenure-track assistant professor position in theoretical or computational condensed matter physics, to begin Fall 2010. The successful candidate is expected to establish an internationally recognized research program that complements and enhances the existing strengths in the department, which has about 30 faculty members and 60 PhD graduate students. William and Mary has a strong tradition of excellent teaching, and the successful candidate will be expected to play an important role in both the undergraduate and doctoral programs of the Physics Department. Applicants should visit <http://jobs.wm.edu> to complete voluntary demographic data for equal opportunity purposes. Send a curriculum vita, statement of research interests, and arrange to have three letters of reference sent to us (indicate your references in the

application) at the address below.

Review will begin on December 1, 2009 and materials will be accepted until the position is filled. Further information on the William & Mary Physics Department and this search can be found at <http://www.wm.edu/physics>.

W&M is an EEO/AA employer.

How to Apply

Chair, Condensed Matter Theory Search

Department of Physics

300 Ukrop Way

College of William and Mary

P.O. Box 8795

Williamsburg, VA 23187-8795

e-mail: [cmthsearch@wm.edu](mailto:cmthsearch@wm.edu)

## **16. Experimental Nuclear Physics Faculty Position, College of William and Mary**

The Department of Physics of the College of William and Mary invites applications for a tenure-track assistant professor position in experimental nuclear physics, to begin Fall 2010. The successful candidate is expected to establish an internationally recognized research program that complements and enhances the existing strengths in the department, which has about 30 faculty members and 60 PhD graduate students. The department has at present 4 faculty members active in experimental nuclear physics, with a broad program centering on hadronic and electroweak physics at nearby Jefferson Lab. William and Mary has a strong tradition of excellent teaching, and the successful

candidate will be expected to play an important role in both the undergraduate and doctoral programs of the Physics Department. Applicants should visit <http://jobs.wm.edu> to complete voluntary demographic data for equal opportunity purposes.

Send a curriculum vita, statement of research interests, and arrange to have three letters of reference sent to us (indicate your references in the application) to the address below.

Review will begin on December 1, 2009 and materials will be accepted until the position is filled. Further information on the W&M Physics Department and this search can be found at <http://www.wm.edu/physics>

W&M is an EEO/AA employer.

Chair, Nuclear Experiment Search  
Department of Physics  
300 Ukrop Way  
College of William and Mary  
P.O. Box 8795  
Williamsburg, VA 23187-8795

e-mail: [nuclearsearch@physics.wm.edu](mailto:nuclearsearch@physics.wm.edu)

### **17. Assistant Professor in Astronomy, Whitman College**

Tenure track position in Astronomy, at the rank of assistant professor. Area of expertise open. Effective August, 2010. Ph.D. required; post-doctoral experience desirable. Whitman College offers majors in Physics-Astronomy, Astronomy, and Astronomy-Geology, with 1-10 graduates

per year. The successful candidate will offer courses in multiple areas of Astronomy, including introductory courses for non-majors and courses for majors and minors at all undergraduate levels. Ability to include students in research is preferred. For more information, see <http://www.whitman.edu/astronomy/>. Whitman College wishes to reinforce its commitment to enhance diversity, broadly defined, recognizing that to provide a diverse learning environment is to prepare students for personal and professional success in an increasingly multicultural and global society. In their application, candidates should address their interest in working as teachers and scholars with undergraduates in a liberal arts environment that emphasizes close student-faculty interaction; how their cultural, experiential, and/or academic background contributes to diversity; and their interest in participating in the College's general education offerings. Materials should also include a letter of application; curriculum vitae; separate statements addressing the candidate's teaching interests and scholarly agenda; three letters of reference; undergraduate and graduate transcripts; teaching evaluations or other evidence of demonstrated or potential excellence in undergraduate instruction. Send materials to: Professor Andrea Dobson, Search Chair, Department of Astronomy, Whitman College, 345 Boyer Avenue, Walla Walla, WA 99362. Electronic submission accepted (pdf format preferred) at [astronomy@whitman.edu](mailto:astronomy@whitman.edu). Deadline: February 1, 2010. No applicant shall be discriminated against on the basis of race, national or ethnic origin, age, gender, sexual orientation, marital status, religion, creed, or disability. Whitman College, located in the scenic Columbia Basin, is a small, selective, liberal arts college dedicated to providing excellent educational opportunities for students. The College has a generous sabbatical leave program and professional development support for both research and

teaching. For additional information about Whitman College and the Walla Walla area, see [www.whitman.edu](http://www.whitman.edu) and [www.wallawalla.org](http://www.wallawalla.org).

### **18. Tenure-Track in Biophysics, Department of Physics and Astronomy, Colgate University**

The Colgate University Department of Physics and Astronomy invites applications for an interdisciplinary tenure track position in the field of biophysics to begin in fall 2010. A Ph.D. in biophysics, or in a related area with biophysics experience, is required, and post-doctoral experience is an advantage. We seek a person with a strong commitment to undergraduate education who can establish a vibrant program of biophysics research that actively involves undergraduates. Preference will be given to candidates who are willing and able to initiate and foster interdisciplinary collaborations between physics and biology, biochemistry, and neuroscience. Academic responsibilities include teaching courses in physics, biophysics, and Colgate's Liberal Arts Core Curriculum. Additional teaching responsibilities may include courses in biology, biochemistry, or neuroscience depending on the candidate's expertise. Colgate is a highly selective liberal arts university of 2800 students situated in a picturesque village in central New York. The physics and astronomy department has nine faculty members housed in the new Ho Science Center, which is configured to facilitate interdisciplinary teaching and research. The university maintains well-equipped research laboratories in the areas of physics, biology, biochemistry, and neuroscience. Appropriate research startup funds are available.

Candidates should send a curriculum vita plus a letter describing teaching and research objectives and, in particular, the suitability of proposed research for undergraduate involvement. The CV should include a publication list and the names of three individuals who have been asked by the candidate to send letters of recommendation that address the candidate's potential for teaching and for developing an independent research program. All materials should be sent to Thomas Balonek, Department of Physics and Astronomy, Colgate University, 13 Oak Drive, Hamilton, NY 13346, email [tbalonek@colgate.edu](mailto:tbalonek@colgate.edu) . Formal applications and letters of recommendation may be submitted by email (as pdf attachments) or regular mail. Email inquiries are welcome. Review of applications will begin December 15, 2009, and will be continue until the position is filled. Colgate is an Equal Opportunity / Affirmative Action Employer. Developing and sustaining a diverse faculty, student body, and staff further the University's educational mission. Applications from women and minorities are encouraged.

Contact - Thomas Balonek, Chair; Department of Physics and Astronomy; Colgate University; 13 Oak Drive; Hamilton, NY 13346. Telephone – 315 228 7767. Email – [tbalonek@colgate.edu](mailto:tbalonek@colgate.edu) Website – <http://departments.colgate.edu/physics/>

### **19. Tenured Position in Condensed Matter Experiment, University of Maryland**

The Department of Physics at the University of Maryland invites applications for a tenured faculty position at the Associate or Full Professor level in the area of experimental

condensed matter physics. The successful candidate should have a demonstrated ability to succeed at a top-ranked university, including having established a world-recognized independent research program, strong communication skills and capacity for physics education, and potential for leadership within the condensed matter physics community. We expect that the successful candidate will complement the existing experimental and theoretical strengths in the department, especially in the Center for Nanophysics and Advanced Materials ([www.cnam.umd.edu](http://www.cnam.umd.edu)) , the NSF-funded Maryland Materials Research Science and Engineering Center (<http://mrsec.umd.edu/>) and the Condensed Matter Theory Center ([www.physics.umd.edu/cmtc](http://www.physics.umd.edu/cmtc) ). The preferred starting date for the position is August of 2010.

QUALIFICATIONS: A Ph.D. in physics or a physics-related discipline and independent research experience at minimum at the assistant professor level (or equivalent) is necessary. As good teaching is a high priority of the Department, a potential for teaching excellence is necessary. TO APPLY: Applicants should compose a single PDF file containing (1) a letter of application, (2) CV, (3) statement of research interests and plans, (4) statement of teaching philosophy and (5) a list of at least 5 referees; it should be labeled *Lastname\_App.pdf* and uploaded at <http://umdphysics.umd.edu/cmexpt10.html> For best consideration, applications should be received by January 15, 2010. <http://umdphysics.umd.edu/cmexpt-faculty-search.html> ; [cmexpt10@physics.umd.edu](mailto:cmexpt10@physics.umd.edu). The University of Maryland is an Affirmative Action/Equal Opportunity Employer; women and minority candidates are encouraged to apply.

**20. Physics Instructor, Dept. Physics & Astronomy at**

## **Washington State University branch campus in Richland, Washington**

The Department of Physics and Astronomy at Washington State University has opened a search to hire a physics instructor at the WSU branch campus in Richland, Washington. We are seeking your help in identifying the best candidates for this position. Attached is a Notice of Vacancy (position announcement) that provides a full description of the position and the expectations of the department. We would appreciate it if you would pass this email and attachment on to interested individuals. Additionally, we hope you will arrange to have this announcement posted in your department. In brief, the department is searching for an individual who can create and teach innovative classes for students at the undergraduate level at the branch campus. The position will require a Ph.D. in physics or related field and experience in teaching physics at the college level. If you are aware of individuals who would make excellent candidates for this position, please bring this opportunity to their attention or contact us either by e-mail at [physics@wsu.edu](mailto:physics@wsu.edu). Information about the position can be found on our website at:

<http://www.physics.wsu.edu/Positions/NOV-Fall09%20WSUTC%20Instr.html>

## **21. Faculty Position in Particle Astrophysics and Cosmology Department of Physics, The Ohio State University**

The Department of Physics at The Ohio State University anticipates a tenure track faculty appointment effective Fall Quarter 2010. Highly qualified candidates in all areas of

particle astrophysics and cosmology are invited to apply. While we are primarily searching for a junior experimentalist, exceptionally well-qualified candidates at all levels in either theory or experiment will be considered. The position is affiliated with the Center for Cosmology and AstroParticle Physics, a joint venture between the Departments of Physics and Astronomy, and a joint appointment in the Department of Astronomy is possible. Additional information about CCAPP can be found at <http://ccapp.osu.edu>. Applicants should have a Ph.D. and an outstanding research record. A commitment to excellence in teaching at both the undergraduate and graduate levels is essential.

The Department currently has 55 faculty and approximately 60 postdoctoral researchers and research scientists, 160 graduate students, and 250 undergraduate majors. Our expanding research operation is located in the new Physics Research Building, which contains state-of-the-art office, meeting and laboratory space. Additional information about the department may be found at <http://www.physics.ohio-state.edu>.

All applications should be submitted electronically at <http://www.physics.ohio-state.edu/jobs/facultyapp/>

Candidates should submit a letter of application, a complete curriculum vitae including a list of publications, a brief description of research plans, and a teaching statement. Senior applicants should provide contact information for at least four people from whom letters of reference may be requested. Junior applicants should arrange for at least four letters of reference to be sent to one of the addresses below:

[astrosearch09@mps.ohio-state.edu](mailto:astrosearch09@mps.ohio-state.edu) (Please note applicant's name in subject line.)

Astrophysics Search Committee  
Department of Physics  
The Ohio State University  
191 West Woodruff Avenue  
Columbus, OH 43210

Applications received by 1 December 2009 are assured of full consideration. Job application assistance is available for dual career situations.

To build a diverse workforce, Ohio State encourages applications from women, minorities, veterans, and individuals with disabilities. Flexible work options are available. Ohio State is an NSF ADVANCE Institution, EEO/AA employer.

## **22. Tenure-Track Assistant/Associate/Full Professor in Science Education, Texas A&M University - Commerce**

Position Description: The Assistant/Associate/Full professor is a nine-month full time faculty member with various responsibilities including regularly teaching integrated science lectures and laboratories for pre-service and in-service science teachers and occasionally physics and/or astronomy courses, initiating and sustaining externally funded research involving students, and service at all levels. While the preference is to hire at the Assistant Professor level, exceptionally qualified candidates will be considered for appointment at a senior level.

Qualifications and Experience:

Required:

- An earned PhD in science education, physics, astronomy or related fields
- Ability to teach upper level integrated science courses for in-service and pre-service K-12 science teachers
- Strong records and potential in obtaining external funding for research in science education, physics and/or astronomy are required for appointment at a senior level

Preferred (desired)

- ◆ Successful postdoctoral research experience with a strong publication record in reputable journals
- ◆ Successful experience of working with K-12 science teachers
- ◆ Interest and experience in recruiting and advising students interested in becoming science teachers
- ◆ Potential to contribute to curriculum development
- ◆ Excellent verbal and written communication skills
- ◆ Demonstrated ability or strong potential to achieve excellence in teaching, research and service.

Salary Range: Commensurate with qualifications and experience

Starting Date for Receiving Applications: Approximately Dec. 1, 2009

Ending Date for Receiving Applications: Position is open until filled

Application Requirements:

- ◆ Letter of application addressing qualification for the position, statements of teaching philosophy and research interest
- ◆ Vita/Resume and three letters of recommendations sent directly from the references
- ◆ Copy of transcripts for all degrees: Official transcripts must be available before campus visit

Person to Contact: Dr. Bao-An Li, Bao-An\_Li@Tamu-

Commerce.edu, Head and Professor,  
Department of Physics and Astronomy, <http://www.tamu-commerce.edu/home/physics-new/>  
Texas A&M University-Commerce, P.O. Box 3011,  
Commerce, Texas 75429-3011, USA  
Projected Starting Date: August 15, 2010  
Location and Environment: Texas A&M University-Commerce is a senior public institution with an academic enrollment of over 9,800 including about 4000 graduate students. It is located in Commerce, Texas which is about 60 miles northeast of Dallas, Texas. The University is an Affirmative Action/Equal Opportunity Employer. Individuals from underrepresented racial, ethnic and gender groups are encouraged to apply.

### **23. Tenure-Track Assistant/Associate/Full Professor in Astrophysics/Astronomy, Texas A&M University – Commerce**

Position Description: The Assistant/Associate/Full professor is a nine-month full time faculty member with various responsibilities including teaching physics, astronomy and/or science education courses at both undergraduate and/or MS graduate level, initiating and sustaining externally funded research involving students, and service at all levels. While the preference is to hire at the Assistant Professor level, exceptionally qualified candidates will be considered for appointment at a senior level.

Qualifications and Experience:

Required:

- An earned PhD in physics and/or astronomy with expertise

in astrophysics and/or astronomy

- Successful postdoctoral research experience with a strong publication record in reputable journals
- Strong records and potential in obtaining external funding for research in physics and/or astronomy are required for appointment at a senior level

Preferred (desired)

- ◆ Potential to contribute to curriculum development
- ◆ Excellent verbal and written communication skills
- ◆ Demonstrated ability or strong potential to achieve excellence in teaching, research and service.

Salary Range: Commensurate with qualifications and experience

Starting Date for Receiving Applications: Approximately Dec.1, 2009

Ending Date for Receiving Applications: Position is open until filled

Application Requirements:

- ◆ Letter of application addressing qualification for the position, statements of teaching philosophy and research interest
- ◆ Vita/Resume, three letters of recommendations sent directly from the references
- ◆ Copy of transcripts for all degrees: Official transcripts must be available before campus visit

Person to Contact: Dr. Bao-An Li, Bao-An\_Li@Tamu-Commerce.edu, Head and Professor,

Department of Physics and Astronomy, <http://www.tamu-commerce.edu/home/physics-new/>

Texas A&M University-Commerce, P.O. Box 3011, Commerce, Texas 75429-3011, USA

Projected Starting Date: August 15, 2010

Location and Environment: Texas A&M University-Commerce is a senior public institution with an academic enrollment of

over 9,800 including about 4000 graduate students. It is located in Commerce, Texas which is about 60 miles northeast of Dallas, Texas. The University is an Affirmative Action/Equal Opportunity Employer. Individuals from underrepresented racial, ethnic and gender groups are encouraged to apply

#### **24. The University of Kansas, Faculty Position, Theoretical High Energy Physics**

The Department of Physics and Astronomy at the University of Kansas seeks applicants for a tenure-track assistant professor position in the field of theoretical high energy physics including field theoretic applications. The position is expected to begin as early as August 18, 2010. Candidates who complement the existing program in high energy theory are particularly encouraged to apply. A Ph.D. in Physics or a closely related field is required as well as relevant postdoctoral experience. A strong record of research and commitment to excellence in teaching are required. A start-up package is included. For a complete position announcement and to apply on-line, go to <https://jobs.ku.edu> and search for position number 00003023. A complete electronic application will include: a letter of application, statements of research and teaching interests, and a curriculum vitae. Additionally, applicants should arrange for at least three letters of reference 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; Website: [www.physics.ku.edu](http://www.physics.ku.edu). Initial review of applications begins January 1, 2010 and will continue until no longer needed. EO/AA Employer.

**25. Assistant/Associate Professor – Experimental Physics, Department of Physics, University of Texas at El Paso**

**POSITION DESCRIPTION:** The Department of Physics at the University of Texas at El Paso (UTEP) invites applications for a tenure-track faculty position in experimental physics at the Assistant or Associate Professor level, depending on qualifications. Anticipated appointment date is fall 2010.

In response to UTEP's vision of becoming the first national research university with a 21<sup>st</sup> century demographic, the Department of Physics is seeking to attract internationally recognized experts who will help us achieve that goal. The department seeks faculty with expertise in the investigation and development of novel optical tools for nanophysics and/or biomedical applications, or with experience in one or more of the following: thin-film nanofabrication, synthesis of inorganic nanostructures, organic and macromolecular synthesis, magnetic nanostructures, and biologic/biomedical nanosystems. Preference will be given to candidates who can foster interdisciplinary collaborations between physics, chemistry, biology, and engineering. Applicants with a proven record of successful external funding and outstanding research accomplishments will be given strong consideration. Responsibilities include teaching graduate and undergraduate courses in physics, and mentoring student research at all levels.

**REQUIRED QUALIFICATIONS:** A Ph.D. in physics or a closely related field, postdoctoral experience and a publication record is required.

**APPLICATION PROCEDURES:** Review of applications will begin in January and will continue until the position is filled. Candidates should send a letter of interest, curriculum vita, publication list, statement of research plans and teaching philosophy, and a list with names and contact information for at least three references. All materials should be sent by email (pdf attachments) to [physics@utep.edu](mailto:physics@utep.edu) or by postal mail to: University of Texas at El Paso, Physics Search Committee, Department of Physics, 500 W. University Ave., El Paso, TX 79968

Jorge A. López  
Schumaker Professor  
Physics Dept., UTEP  
915-747-7528  
*<http://www.jorgelopez.utep.edu/jorgeptr/jorge.htm>*