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▶ 2 Attachments, 368 KB

The Hispanic Physicist
A news service of the National Society of Hispanic Physicists
Please send news, letters, congratulations, announcements, to
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(915) 747-7538, e-mail: jorgelopez@utep.edu
NSHP web site: <http://www.hispanicphysicists.org>

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0. NSHP Board Actions

The NSBP Board passed two motions at its recent meeting on Saturday, October 2, in Anaheim, CA, during the SACNAS meeting.

1. A three person committee be formed to pursue the project of NSHP incorporating under the sponsorship of the Southeastern Universities Research Association (SURA).

2. A three person committee be formed to first negotiate a Memorandum of Understanding (MOU) between SACNAS, SURA, and NSHP establishing the relationship between the three organizations for a proposal and subsequent grant for NSF funding in support of physics, astronomy, and materials at the Annual SACNAS Conference, and then to prepare and submit the proposal to NSF.

NSHP members who might wish to volunteer for either of these two committees should contact Luz Martinez-Miranda (ljmm@umd.edu).

1. COE TENURE-TRACK POSITION AT ASSISTANT PROFESSOR LEVEL

COE COLLEGE TENURE-TRACK POSITION AT ASSISTANT PROFESSOR LEVEL for Fall 2011: The successful candidate will show a strong interest in teaching and research ambition. A Ph.D. in physics or closely related field is required. Responsibilities include teaching six courses annually and conducting substantial research with undergraduates. Startup funds are available. The physics program is nationally recognized, hosts a REU site, and receives significant external funding. Ongoing review begins December 15, 2010.

Application details are at <http://www.coe.edu/aboutcoe/employment#physics>. Direct all questions to Dr. Marie Baehr (mbaehr@coe.edu, 319-399-8616), Dean of the Faculty. Coe College is an equal opportunity/affirmative action employer. Women and minorities are encouraged to apply.

2. MS and PhD students needed, Industrial Engineering at the U. Oklahoma

A group of faculty in the School of Industrial Engineering at the University of Oklahoma are looking into some innovative approaches to model maintenance, repair, and overhaul (MRO) decisions for sustaining large-scale systems. This involves data mining and reliability modeling of component data, coordinating system-level maintenance decisions based on component-level attributes, and multiple objectives and stakeholders, among many other aspects. We have several applications in mind in manufacturing, civil, and military infrastructure. As such, we're looking for MS and PhD students for Fall 2011 to work in the above area. See the attached information sheet about grad programs at OU IE. Please pass on to interested parties, who can shoot me an email at kashbarker@ou.edu to demonstrate their interest.

Also, I personally have interests in risk-based interdependency modeling and am always looking for students to continue work in this area. We have several other exciting research interests in the OU School of IE – learn more at www.ie.ou.edu.

Kash Barker, Ph.D., School of Industrial Engineering, University of Oklahoma, kashbarker@ou.edu, 405.325.2471, <http://faculty-staff.ou.edu/B/Kash.A.Barker-1/>

3. Call for nominations for APS Beller and Marshak Endowed Lectureships

the APS Committee on International Scientific Affairs (CISA) is calling for nominations for the

2011 APS Beller and Marshak Endowed Lectureships. The deadline is Wednesday, 10 November 2010, and nominations can be submitted online at <http://ultron.aps.org/forms/aps.cgi?ID=1048>. Feel free to contact me with any questions about the Lectureships. CISA looks forward to receiving nominations from your unit.

Michele Irwin

International Programs Administrator

American Physical Society

One Physics Ellipse

College Park, MD 20740

(301) 209-3237

irwin@aps.org

www.aps.org/programs/international/

4. Physics FACULTY POSITION, Dept. Physics, College of New Jersey

The Department of Physics at The College of New Jersey (TCNJ) invites outstanding applicants for a new tenure-track Assistant or Associate Professor position starting August 2011.

We seek a broadly trained physicist who has the potential to establish a highly visible undergraduate research program and will collaboratively contribute to interdisciplinary curricular and scholarly efforts within the School of Science and at the College. This search is focused on candidates whose research interests are in experimental condensed matter or biomedical physics, but outstanding candidates in other experimental areas will also be considered. The successful candidate will teach upper-level physics courses as well as introductory-level, calculus-based physics and labs. An earned doctorate in physics or a closely-related field is required and post-doctoral experience is strongly preferred.

Teaching and research are mutually supportive activities at TCNJ. Candidates should be strongly committed to the teacher-scholar model in a primarily undergraduate, residential institution and to maintaining both high quality teaching and an active and productive research program involving highly motivated undergraduates. Faculty members also serve as academic advisors and have service responsibilities within the College. A research laboratory and start-up funds will be provided. The Physics Department, which currently has eight full-time tenure-line faculty members and approximately 80 majors, is housed in a modern science complex (opened Fall 2002) that offers state-of-the-art teaching and research facilities and instrumentation. For more information about the department, visit: <http://www.tcnj.edu/~physics/>.

Founded in 1855, TCNJ is a highly selective institution that has earned national recognition for its commitment to excellence. Emphasizing a residential experience for its nearly 6,000 undergraduates, TCNJ is one of Barron's 75 "Most Competitive" American colleges, and *U.S. News & World Report's* No. 1 public institution of its kind in the northern region of the country. The College also offers focused graduate programs in Nursing, Education and English. TCNJ was awarded, in 2006, a Phi Beta Kappa chapter honor shared by less than 10 percent of colleges and universities nationally. A strong liberal arts core forms the foundation for programs offered through TCNJ's seven schools: Arts and Communication; Business; Culture and Society; Education; Science; Nursing, Health, and Exercise Science; and Engineering. TCNJ faculty members are teacher-scholars who share a commitment to liberal learning. TCNJ is located

within an hour, by train, of New York City and Philadelphia. The College's campus is set on 289 tree-lined acres in suburban Ewing Township and is known for its natural beauty. TCNJ has 39 major buildings, including the 4th-best college library in the nation, according to the *Princeton Review*. For more information, visit www.tcnj.edu.

Applicants should e-mail a letter of application, a curriculum vitae, a statement of teaching philosophy (no longer than three pages), and a description of research interests and goals (no longer than three pages) in a single PDF file to physics@tcnj.edu. Applicants should also e-mail unofficial transcripts (graduate and undergraduate) and representative reprints of published research papers (no more than three, and preferably as PDFs), as well as arrange for three current letters of recommendation to be e-mailed. All e-mails should have the applicant's name in the subject line. Any materials sent as hard copy in postal mail should be addressed to: Search Committee, Department of Physics, The College of New Jersey, P.O. Box 7718, Ewing, NJ 08628. Applications are due by **November 8, 2010**. Late submissions will be considered if a suitable candidate pool is not identified by the deadline.

The College of New Jersey is an Affirmative Action /Equal Opportunity Employer.

5. Ohio State University Faculty Position Theoretical Condensed Matter Physics

The Department of Physics at The Ohio State University anticipates a tenure track faculty appointment effective Fall Quarter 2011. Highly qualified candidates in all areas of theoretical condensed matter physics are invited to apply. While we are primarily searching for tenure track Assistant Professor candidates, we may consider exceptionally well-qualified applicants for appointment as an Associate Professor with tenure. 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.

For more information, go to http://www.physics.ohio-state.edu/jobs/FINAL_CMT_Ad_2010.pdf

To apply, <http://www.physics.ohio-state.edu/jobs/facultyapp/>

Deadline: Dec. 1, 2010

6. Stanford University Faculty Position, Atomic, Molecular and Optical Physics

The Department of Physics at Stanford University is seeking applicants for a tenure track Assistant Professor appointment in the area of atomic, molecular and optical (AMO) physics. We seek candidates with promise of important future achievements who will lead innovative experimental research efforts. Applicants with research focus in any branch of AMO physics will be considered. Applicants should also be, or show promise of becoming, excellent teachers at both the graduate and undergraduate levels. The term of appointment would begin on or around September 1, 2011.

Applicants must send materials to the search committee, chaired by Professor Mark Kasevich, through AcademicJobsOnline. Candidates should upload their curriculum vitae, publication list

and research plan, and arrange to have three letters of reference submitted online at <http://academicjobsonline.org/>><http://academicjobsonline.org>.

The due date for the submission of all materials, including letters of reference, is December 1, 2010. Stanford University is an equal opportunity employer and is committed to increasing the diversity of its faculty. It welcomes nominations of, and applications from, women and members of minority groups, as well as others who would bring additional dimensions to the university's research and teaching missions.

7. Assistant Professor, Physics Education Research, Kansas State University

The Department of Physics at Kansas State University seeks a faculty member to join its physics education research (PER) group. Experience with research on problem solving, transfer of learning, teaching/learning with technology in physics or other research on the teaching and learning of physics that complement and/or expand the existing PER efforts will be considered favorably. The successful candidate will be appointed at the rank of tenure-track Assistant Professor in the Physics Department. Candidates must present credentials that will justify appointment at this level, including research experience beyond the doctorate in PER.

The successful candidate will also demonstrate a strong commitment to teaching and mentoring of students and to serving a diverse population. He/she will be expected to obtain external funding for research activities, collaborate with other faculty in physics and other academic departments and build a national and international reputation in PER.

The Department has an outstanding physics education research program (KSUPER), which was founded in 1972. At present KSUPER includes 2 tenured faculty, both of whom have received national awards for their PER efforts. A detailed description of research activities, post-docs and graduate students in KSUPER can be found at <http://web.phys.ksu.edu/>.

Applications should be sent, to PER Search Committee, 116 Cardwell Hall, Kansas State University, Manhattan, KS 66506-2601 or to persearch@phys.ksu.edu. Applications should include a curriculum vita and statements of research and teaching interests. The applicant should arrange to have three letters of reference sent. Screening of applicants will begin on October 18, 2010, and continue until the position is filled. Ph. D. & Background checks required. Kansas State University is an affirmative action equal opportunity employer and actively seeks diversity among its employees.

8. RESEARCHER, Dept. Physics, Southern Illinois University Carbondale

The Department of Physics of Southern Illinois University Carbondale invites application for a Researcher III to work on a research project on magnetocaloric materials. A M. S. in Physics and no less than three years of experience are required. Applicants with a Ph.D. are preferred.

Applicants are required to have experience working with sample preparation using Solid State Reaction and arc melting, XRD for crystal structure, SQUID magnetometry, electrical and thermal transport and liquid helium cryogenic techniques. Demonstrable experience and expertise with the full and half-Heulser alloys of the type Ni-Mn-In is required. Please send a letter of application, CV, and arrange for three letters of recommendation to:

Dr. Naushad Ali, Department of Physics, Mail Code 4401, SIUC, 1245 Lincoln Dr., Carbondale, IL 62901 or send electronically to nail@physics.siu.edu.

Application deadline: October 30, 2010 and will continue until the position is filled. SIUC is an affirmative action/equal opportunity employer that strives to enhance its ability to develop a diverse faculty and staff and to increase its potential to serve a diverse student population. All applications are welcomed and encouraged and will receive consideration.

9. Last Chance to Participate in the Global Survey of Physicists

The American Institute of Physics is still collecting responses to the global survey of physicists. The survey has been open since 2009, but if you have not already participated, please do so at <http://www.aipsurveys.org/global>. Make sure your response is included in this unprecedented effort to collect data from physicists across the globe. The survey will be open a few more weeks only.

Rachel Ivie, PhD
Assistant Director
Statistical Research Center
American Institute of Physics
1 Physics Ellipse
College Park, MD 20740
301-209-3081

10. Senior Faculty Position, Ion Beam Accelerator Lab., U. North Texas

The Department of Physics at the University of North Texas (UNT) seeks to fill a tenured position at the full professor level. The areas of expertise sought are in the development and application of keV to MeV ion beam techniques for the characterization and modification of materials and/or the study of fundamental physical processes. The successful candidate will have earned a doctor's degree in physics or a closely related field, and be an established and well-respected member of the international ion beam community—as evidenced by, e.g., numerous publications in prominent journals and a record of sustained research funding. The position responsibilities include establishing or transferring an independent research program that supports graduate students and some portion of the Ion Beam Modification and Analysis Laboratory (IBMAL) expenses, playing a leadership role in the IBMAL, and contributing to the graduate and undergraduate educational mission of the department.

Presently, there are six faculty members directly associated with the IBMAL accelerator facilities, and numerous collaborators from the department, university, and beyond. Recent research activities include studies of formation and characterization of ion beam assisted nanosystems in silicon and other materials, light emitting semiconductor materials, ion microprobe applications and development, ion beam writing, single event upset in integrated circuits, true element imaging and biophysics applications to network neuroscience. IBMAL faculty have also been organizing or co-organizing the Conference on the Application of Accelerators in Research and Industry (CAARI – the “Denton Conference”) for four decades. Please see the website www.physics.unt.edu/ibmal for additional information.

All applicants must apply online at <http://facultyjobs.unt.edu/applicants/Central?quickFind=51025> and submit a letter of application, including a brief research plan, the names and contact

information of three references and Curriculum Vita. All application materials will be held in strict confidence.

Applications will be accepted until the search is closed.

Further information regarding the department may be obtained by visiting our website (www.phys.unt.edu) or by contacting Dr. Chris Littler, Chair, Department of Physics, e-mail: clittler@unt.edu, phone: 940-565-2630.

UNT is an AA/ADA/EOE institution committed to diversity in its employment and educational programs, thereby creating a welcoming environment for everyone.

11. Duke University has a graduate program in medical physics

Please visit (<http://www.medicalphysics.duke.edu>) that may be of interest to you.

Medical physics is an exciting, creative, and very rewarding profession. At its core, medical physics combines expertise in physics, mathematics, computer science, and engineering for the explicit purpose of patient care and solving practical problems in medicine. Many cutting-edge areas of biomedical research are conducted by medical physicists.

Our program is one of the largest medical physics programs in the U.S. and is fully accredited by CAMPEP. We offer both M.S. and Ph.D. degrees in medical physics. There is a high demand for M.S. and Ph.D. medical physicists in hospital settings as well as in industry. Those students completing a Ph.D. degree will also find exciting career opportunities in academic institutions and government labs.

Duke University Medical Physics faculty includes physicists, physicians, and other scientists involved in diagnosing and treating cancer and other diseases, in some cases using machines and methods developed in our labs. Many of our faculty are internationally recognized experts in the field.

In addition to academics, central North Carolina is a wonderful place to live, with many cultural opportunities and close proximity to mountains and beaches. Please visit our web site for more information: <http://www.medicalphysics.duke.edu>

Also, as an introduction to our program, we will be holding an Open House on Friday, October 15 where students can visit our program and labs and talk with faculty and students. More details on this event can be found at the website below.

<http://www.medicalphysics.duke.edu/news/2010.html>

If planning to apply, please note that the deadline for accepting applications is December 15, 2010 for PhDs and January 30, 2011 for Masters.

James Dobbins, Ph.D.

Director, Medical Physics Graduate Program

Associate Professor of Radiology and Biomedical Engineering

12. Two faculty positions at Physics Department of the University of California

The Physics Department of the University of California, Berkeley intends to make two faculty appointments effective July 1, 2011. One position is intended for Experimental Particle and/or Nuclear Physics; this appointment will be at either the tenure track (assistant professor) level or tenured (associate or full professor) level depending on previous record. Applications in all areas of Experimental Particle and Nuclear Physics are encouraged; we particularly encourage applicants with interest in neutrino-related experiments. A second position is intended for Theoretical Condensed Matter and/or Materials Physics. All researchers in this area are encouraged to apply; we particularly encourage applicants with interest in computational materials physics. The theory search is intended to be at a junior level, though an appointment at a senior level is possible if a candidate with outstanding breadth and record is identified.

All qualified candidates are invited to apply, and applications from minority and women candidates are especially encouraged. A curriculum vitae, bibliography, statement of research interests, and a list of at least 3 references (names and complete addresses including email) are required for consideration. UC Berkeley's Statement of Confidentiality can be found at: <http://apo.chance.berkeley.edu/evalltr.html>.

Online applications are strongly preferred. Please go to <http://www.physics.berkeley.edu> and click on one of the two "Faculty Job Listing" links located in the right side bar, either Experimental Particle and/or Nuclear Physics, or Theoretical Condensed Matter and/or Materials Physics. Follow the directions for self-registration, uploading of PDF's, and obtaining the URL for your letters of reference writers. For applicants at the assistant professor level, give this URL to at least 3 references and have them upload their letter. For applicants who wish only to be considered at the associate or full professor level, it is sufficient to provide names and addresses in the initial application; the search committee will contact these references only after the applicant is selected for further consideration. If online application is not possible, mail curriculum vitae, bibliography, statement of teaching and research interests, and names and full addresses of at least 3 references to:

Physics Department Search Committee University of California, Berkeley
366 LeConte Hall MC 7300, Berkeley, CA 94720-7300

Applications by E-mail or FAX will not be accepted. Applications must be received by Dec 15, 2010. The University of California is an Equal Opportunity, Affirmative Action Employer.

13. Faculty position, Condensed matter Exp., U. Massachusetts Amherst

The Physics Department of the University of Massachusetts Amherst invites applications for a tenure-track faculty position, to start as soon as September 1, 2011, in the area of Condensed-Matter Experiment. The appointment is expected to be at the Assistant Professor level, but exceptional applications at the Associate Professor level will be considered. We seek an individual with outstanding research experience and plans, a strong commitment to teaching, and the potential to develop and maintain an externally-funded research program. A PhD and postdoctoral experience are required. Evaluation of applications for this position will begin on December 3, 2010 and continue until the position is filled. The position will be filled contingent

upon University funding.

Particular areas of focus for this search are strongly correlated systems, nanoscale materials and devices, charge-transport physics, and related areas. The Physics Department (www.physics.umass.edu) is committed to expanding its Condensed-Matter Experiment group, which currently has strong emphases on nanoscience, renewable energy, soft condensed-matter, biological physics, and quantum fluids and solids. Our Condensed-Matter experimentalists have significant interdisciplinary connections to researchers in the Polymer Science and Engineering, Chemistry, and other departments, and interact closely with an outstanding Condensed-Matter Theory group. Substantial startup resources and newly renovated laboratory space are available to support the successful candidate. Applicants should submit a letter of application, a CV, and statements on research and teaching, and also arrange to have three letters of reference sent to: Condensed-Matter Experiment Search, #R40087, Physics Department, 710 N. Pleasant St., University of Massachusetts, Amherst, MA 01003. Alternatively, application materials may be sent to search@physics.umass.edu

The University is part of the Five-College Consortium (www.fivecolleges.edu) in the Pioneer Valley in Western Massachusetts, two hours from Boston and three hours from New York City. The University provides an intellectual environment committed to providing academic excellence and diversity including mentoring programs for faculty. The Physics Department is committed in its efforts to hire candidates who will enhance the diversity and gender balance of its faculty, staff and students. We strongly encourage women and members of minority groups to apply. The University of Massachusetts is an Affirmative Action/Equal Opportunity Employer.

14. HIGH ENERGY NUCLEAR, FACULTY POSITION, Wayne State University

The Department of Physics and Astronomy at Wayne State University seeks applications for a tenure-track assistant professor position in Experimental High Energy Nuclear physics, with the appointment beginning August 2011. We are looking for candidates with a strong background in high-energy nuclear physics. The candidate will join the High Energy Nuclear Physics Group on the ALICE experiment at the LHC. The Wayne State ALICE group comprises four physics faculty and four postdoctoral research associates as well as a number of graduate students. The candidate will be part of the US group on the ALICE-EMCal and DCal projects in ALICE and have a significant focus on supporting the associated ALICE high PT physics program. In particular, our interests are in the area of hadron correlations, photon-hadron correlations and hadron-jet correlations in both pp and PbPb collisions. Candidates should have a PhD in Physics with a record of significant contributions to experimental high energy physics and/or relativistic heavy ion physics, and a commitment to undergraduate and graduate education. Candidates should demonstrate the potential to develop a nationally recognized, externally funded research program. The position will include a competitive start-up package. The Department presently consists of almost 30 faculty members with active research programs in astrophysics, high-energy particle physics, relativistic heavy ion physics, condensed matter and materials physics, biophysics, and atomic physics. All applicants should send a curriculum vitae and a detailed statement of research interests through the Academic Application on the WSU Online Hiring System at jobs.wayne.edu (Posting #03725). More information about the application process, including on-line application instructions and position number, is available on the Department website at <http://www.clas.wayne.edu/physics> (please see under "Open

Positions”). Applicants should also arrange to have at least three signed letters of reference, addressing both research and teaching potential, sent as pdf attachments by email to: Thomas Cormier, Chair, Physics Search Committee, Department of Physics and Astronomy, 666 W. Hancock, Wayne State University Detroit, MI 48201 [Email address: (cormier@physics.wayne.edu)],. Review of applications will begin November 15th, 2010. *Wayne State University is an equal opportunity/affirmative action employer. Women and minority candidates are encouraged to apply.*

15. Theoretical high-energy particle physics, Wayne State University

The Department of Physics and Astronomy at Wayne State University seeks applications for a tenure-track assistant professor position in theoretical high-energy particle physics. The appointment starts August 2011, and is subject to final approval by the administration. We are looking for candidates with a strong background in theoretical high-energy particle physics, and a high level of achievement in particle physics phenomenology, who will play a leadership role in the LHC era and beyond. The successful candidate will maintain an active, externally funded research program and have a commitment to teaching at both undergraduate and graduate levels. A Ph.D. degree or equivalent is required and postdoctoral experience is considered important. The position will include a competitive start-up package. The Department (<http://www.clas.wayne.edu/physics/>) presently consists of almost 30 faculty members with active research programs in astrophysics (SDSS and LSST), high-energy particle physics (CDF, CMS, Belle and theory), relativistic heavy ion physics (STAR, ALICE and theory), condensed matter and materials physics, biophysics, and atomic physics. Applicants should submit a cover letter, curriculum vitae, and statements of research and teaching interests, assembled as a single-file PDF format attachment, to hep-theory-search_at_physics.wayne.edu (preferred) or by regular mail to: Chair, Theoretical Particle Physics Search Committee, Department of Physics and Astronomy, Wayne State University, Detroit, MI 48201. Applicants should also arrange to have at least three letters of reference, addressing both research and teaching potential, sent as pdf attachments to above e-mail address or regular mail address. Informal inquiries are welcome and should be sent to Prof. Alexey A Petrov at apetrov_at_wayne.edu. Review of applications will begin December 15th, 2010. *Wayne State University is an equal opportunity/affirmative action employer. Women and minority candidates are encouraged to apply.*

16. NSHP will be sponsoring a booth at the USA Science Festival

(<http://www.usasciencefestival.org/>) October 23 & 24 (10 a.m. - 5:30 p.m.) on the National Mall in Washington DC. If you are in the DC area join us and drop by the booth. If you have a few hours to donate, volunteer to work at the booth and help inspire the next generation of scientists.

Contact Juan Burciaga (burciagaj@denison.edu) for more information.

17. NSHP sponsors Lecture Series at the Austin Science and Engineering Festival

(<http://www.austinsciencefestival.org/expo/lecture-series>) October 23 & 24 (10 a.m. - 5:30 p.m.)

in the Austin Convention Center. If you are in the Austin area join us and drop by the talks. If you have a few hours to donate, volunteer to work at the presentations and help inspire the next generation of scientists.

Contact Jorge Lopez (jorgelopez@utep.edu) for more information.

18. INDIA - US TRAVEL GRANT

The Indo-U.S. Science and Technology Forum (IUSSTF) and the American Physical Society (APS) have a program to sponsor the exchange of physicists and physics graduate students between India and the United States.

The APS-IUSSTF PROFESSORSHIP AWARDS IN PHYSICS funds physicists in India or the United States wishing to visit overseas to teach short courses or provide a physics lecture series delivered at a U.S. or Indian university. Awards are up to U.S. \$4,000.

Through the APS-IUSSTF PHYSICS STUDENT VISITATION PROGRAM, U.S. and Indian graduate students may apply for travel funds of U.S. \$3,000 to pursue opportunities in physics. The travel funds could be used to attend a short-course or summer institute, to work temporarily in a laboratory, or for another opportunity that the student and the host professor believe is worthy of support. The Physics Student Visitation Program aims to mostly support graduate student travel to India by U.S. citizens, while enabling some students of Indian citizenship to travel to the United States.

Further details about both programs, including proposal guidelines, are provided at www.aps.org/programs/international/us-india-travel.cfm.

THE DEADLINE IS 1 NOVEMBER 2010.

19. Worcester Polytechnic Institute, Tenure-Track Assistant Professor

Applications are invited for a tenure-track position at the assistant professor level in experimental biophysics. Candidates with an interest in optical imaging and spectroscopic microscopy as applied but not limited to single-molecule biophysics, cellular biophysics, and/or biomaterials are particularly encouraged to apply. The successful candidate will be expected to establish a vigorous, externally-funded research program as well as take part in the mentoring and teaching of graduate and undergraduate students in WPI's distinctive curriculum. Preference will be given to applicants who can interact among one or more areas of Soft-Condensed Matter. See www.wpi.edu/goto/lifesci and www.wpi.edu/Academics/Depts/Physics/ for current interests and activities at WPI.

Founded in 1865 as one of the nation's oldest and most innovative technological universities, WPI is a nationally ranked university with an undergraduate student body of over 3,500 and 1,300 full-time and part-time graduate students. The Department of Physics offers BS, MS, and PhD degrees.

Interested candidates should submit an application (in pdf format) consisting of (i) a cover letter

addressing the alignment of the candidate's research with the department's interests, (ii) a curriculum vitae, (iii) a description of research plans, (iv) a statement of teaching philosophy, and (v) a list of five references (with full contact information). Send to Prof. Germano Iannacchione, Head, Department of Physics at ph-search@wpi.edu. Review of applications will be conducted on a rolling basis and continue until the position is filled.

U.S. News and World Report consistently ranks WPI among the top national universities and recently placed WPI in its top 30 for faculty resources. Further information about WPI and the department can be accessed at <http://www.wpi.edu>

20. Three Jefferson Lab positions

Associate Director for Experimental Nuclear Physics
Jefferson Lab

The Associate Director for Experimental Nuclear Physics is responsible for the execution of the experimental nuclear physics program of the laboratory. Responsibilities include the management of the Experimental Physics Division of approximately 140 staff including 85 scientists and engineers. The primary nuclear physics facility is the Continuous Electron Beam Accelerator Facility currently operating at 6 GeV and being upgraded to 12 GeV. The laboratory has an international user community numbering approximately 1300 physicists.

Working in concert with other members of management, the Associate Director participates in strategic planning, policy formation, budgeting, and science initiatives. The Associate Director represents the laboratory with government agencies, the international physics community, other laboratories, universities, as well as stakeholders.

The Associate Director brings a vision for the future evolution of the different components of the nuclear physics program of the laboratory and the ability to nurture the efforts of a major part of the laboratory to set a tone and direction which will ensure excellence on the world scale. The Associate Director manages the Physics Division, which has primary responsibility for the design, construction, commissioning, and operation of the CEBAF experimental facilities in Halls A, B, C, and D. The incumbent assumes primary responsibility for providing the support infrastructure necessary for assuring a user friendly atmosphere for the external experimental groups. Additionally, the Associate Director is responsible for ensuring environmentally safe operations of experimental facilities and maintaining a positive ESH&Q culture.

The successful candidate will be a distinguished scientist with a proven record of physics research leadership and publication in nuclear physics or a related field. The candidate will possess the knowledge and ability to bring a vision for the future evolution of the different components of the nuclear physics program and the ability to nurture the efforts of a major research organization that ensures excellences on an international scale. Demonstrated leadership, communication skills and ability to manage resources, personnel, and technical knowledge relevant to accelerator-based experimental nuclear physics are requisite skills for success. The candidate will also have proven negotiation and interpersonal skills to develop and maintain excellent relations with internal and external stakeholders to assure continued support

for the research program.

A Ph.D. and substantial history of relevant experience in Nuclear Physics or related field, including increasing responsibility in nuclear physics research projects are required. The candidate will have an outstanding research/publication record in accelerator-based experimental nuclear physics or related field with experience managing large research operations and support staff. Experience managing in a government funded research environment is a plus.

<http://www.jlab-jobs.com/job/Newport-News-Associate-Director-for-Experimental-Nuclear-Physics-Job-VA-23601/879903/>

Deputy Associate Director Experimental Nuclear Physics
Jefferson Lab

The Deputy Associate Director participates in all aspects of the management of the Experimental Nuclear Physics Division and reports to the Associate Director. The Physics Division has primary responsibility for the operation and continuous upgrading of the Jefferson Lab nuclear physics experimental facilities installed in Halls A, B, C, and D. The Deputy also serves as the Division Safety Officer and manages and oversees the Physics Division EH&S program.

The Deputy Associate Director provides support for the infrastructure necessary for assuring a user friendly atmosphere for the external experimental groups (including periodic evaluation of space assignments throughout the division) and serve as a member of the Technical Advisory and Scheduling Committees. Additionally, the Deputy is responsible for preparing programmatic impact evaluations of new proposals and advising the Associate Director on short-range experimental priorities.

In particular, the Deputy has primary responsibility for overseeing/managing the details of the beam time schedule consistent with the broad directions defined by the Scheduling Committee. He or she also maintains an appropriate level of involvement in the experimental nuclear physics program to understand directions and identify problems; working with the Accelerator Division to coordinate the smooth and effective operation of the existing facilities and their evolution as they provide important new capabilities in support of the nuclear physics research program. The Deputy Associate Director assists in the development and support of the 12 GeV Upgrade project and its integration into the Physics Division.

The successful candidate will be an internationally recognized leader in nuclear physics or a related field with increasing programmatic research responsibility. The candidate should possess excellent leadership and communication skills as well as the ability to manage resources, personnel and technical knowledge relevant to accelerator-based experimental nuclear physics.

The position requires a Ph.D. and significant relevant experience in Nuclear Physics or related field, and a demonstrated track record of resource and technical management of significant

projects in design, construction, commissioning and/or operation.

<http://www.jlab-jobs.com/job/Newport-News-Deputy-Associate-Director-Experimental-Nuclear-Physics-Job-VA-23601/879904/>

Hall A Group Leader
Jefferson Lab

Jefferson Lab, located in Newport News, Virginia, USA, is a world-class scientific laboratory centered around a high-intensity, continuous wave electron beam, which provides a unique capability for nuclear physics research. The lab is managed for the U. S. Department of Energy by Jefferson Science Associates, LLC.

Currently, we have an excellent opportunity for a Hall A Group Leader to provide overall management of the physics research program for the hall. This includes leading the development of the research program through collaboration with users, staff, and advisory committees. The Group Leader is responsible for the staging and execution of the scientific experiments. The responsibilities also include management of all Hall scientific, post doc, engineering and technical staff, budgeting, planning and resource allocation. The successful candidate will provide coordination, leadership and communication with the Hall A user community.

The construction phase has just begun for the 12 GeV Upgrade project including modest adjustments to the beam delivery to Hall A to accommodate 11 GeV beam. It is anticipated that commissioning of the 12 GeV operation will start during 2013 with the first experiments in Hall A. The Hall Leader will be responsible for the provision of appropriate experimental equipment for the balance of operations at 6 GeV and with special emphasis on the 12 GeV era. The development of a major parity violation program was recently commended by the Jefferson Lab Program Advisory Committee. Gestation and execution of this program will be a major responsibility of the Hall A Leader over the next several years.

The successful candidate will be an internationally recognized expert in the forefront of nuclear/particle physics. A record of scientific excellence as demonstrated by extensive publication in nuclear/particle physics is required. A Ph.D. in Experimental Nuclear or Particle Physics or the equivalent combination of education, experience, and specific training is required. The candidate must possess extensive professional experience in intermediate energy nuclear/particle physics or a closely related area, of which a minimum of three years is in management of an internationally recognized physics research group. The candidate should have technical experience with a broad variety of experimental equipment such as large-scale detectors, high rate data acquisition and trigger systems, and offline software for charged particle tracking and detector simulations. Demonstrated supervisory, planning, problem solving, decision making, and communication skills are required.

<http://www.jlab-jobs.com/job/Newport-News-Hall-A-Group-Leader-Job-VA-23601/885301/>

21. Lone Star College - Physics Faculty Position available

See attachment.

22. FACULTY POSITION, University of Arkansas, Fayetteville, Arkansas

The Department of Physics, of the flagship campus of the University of Arkansas, announces openings for two tenure-track faculty positions, one experimentalist and one theorist, starting in August, 2011. A Ph.D. in Physics or related field and postdoctoral experience or equivalent are required. We are searching for outstanding individuals who will enhance the department's research strengths in biophysics, photonics, and condensed matter physics at the nanoscale; establish excellence in teaching at both the undergraduate and graduate levels; supervise students at undergraduate and graduate research; attract external funding; and develop a high-profile research program. Candidates should send an application, including a cover letter, curriculum vitae, description of research interests, teaching interests, and the names and contact information for at least three references to: Chair of the Search Committee
University of Arkansas, Department of Physics, 825 Dickson Street
PHYS-226, Fayetteville, AR 72701. Evaluation of candidates will begin on December 15, 2010, and the search will continue until both positions are filled.

For additional information, please visit our webpage at www.uark.edu/depts/physics. Women and minorities are especially encouraged to apply. The University of Arkansas is an equal opportunity/affirmative action institution. All applicants are subject to public disclosure under the Arkansas Freedom of Information Act and persons hired must have proof of legal authority to work in the United States.

23. Program for Excellence & Equity in Research at the University of Tennessee

The Program for Excellence & Equity in Research (PEER) at the University of Tennessee is an NIH-funded traineeship program that facilitates advanced research, mentoring, and professional enrichment activities for doctoral students in science, technology, engineering, and mathematics to enable each individual student to reach their full potential. Our goal is to enhance the graduate student's academic experiences by providing team-building endeavors and relevant and challenging academic enrichment opportunities that promote excellence and sustain the desire essential for career success.

There are many benefits to earning this distinguished PEER award (see attached flyer) which includes a \$25,000 salary, health insurance, and paid tuition (also renewable for year 2 of graduate training). We are currently accepting PEER applications (<http://web.utk.edu/~peer>), and our programs in STEM disciplines are also accepting applications for PhD students entering in the 2011-2012 academic year. Students accepted as PhD students in a wide variety of departments are eligible for these awards: Biochemistry & Cellular & Molecular Biology, Chemistry, Engineering, Microbiology, Mathematics, etc. Next fall 2011 we will offer PEER awards to 8 competitive and accomplished students. The deadline for the PEER fellowship application is February 1, 2011. The eligibility requirements are listed below.

[Eligibility Requirements](#)

- *Gain admission into a PhD program in a STEM discipline at UTK
- *Be a US citizen or permanent resident
- *Be a Native American, Hispanic, Pacific Islander, African American and/or
- *Have a physical or mental disability (i.e., hearing, visual, mobility/orthopedic impairment.) and/or
- *Come from a disadvantaged background and/or
- *Female underrepresented in the chosen field of research training.

The PEER program offers students passionate about science a support system that provides a balanced perspective on the profession, and tools to persevere and enjoy life as a scientist. If this type of program appeals to you, take a look at our website and take a moment to complete the PEER application. You will also need to provide a letter describing your goals for graduate education at the University of Tennessee, your reason for having an interest in PEER, your statement of why you qualify for support through this program and submit the application package to the attention of Dr. Sekeenia Haynes, Program Manager.

Contact the Program Manager for more information about PEER.

Sekeenia Haynes, Ph.D.
PEER Program Manager
University of Tennessee
M407 Walters Life Science Bldg.
1414 Cumberland Avenue
Knoxville, TN 37996-0830
(865) 974-5148; fax (865) 974-6306
Email: shaynes6@utk.edu

24. Physics lecturer needed for the National University of Honduras

ICTP is looking urgently for one very good physics lecturer that can teach upper division courses in Spanish and go to the National University of Honduras to lecture for a period of at least 6 months, if possible starting in January 2011.

The reason for this need is the sudden death of Professor Gustavo Ponce who was essentially the only person teaching those courses in that university and the students are lacking the key person to lecture them at this level.

ICTP, through its Office of External Activities offers to cover all the expenses that the Honduras University cannot cover.

I would very much appreciate it if you can help us finding the appropriate person.

Best regards,

Fernando Quevedo, ICTP Director

Contact: Carlos Ordoñez, Carlos.Ordonez@mail.uh.edu.

Jorge A. López
Schumaker Professor
Physics Dept., UTEP
915-747-7528



[Master of Me...pdf \(334 KB\)](#) [LoneStar.docx \(33.6 KB\)](#)