

Subject: NSHP News - Apr. 2, 2008

The Hispanic Physicist

**A news service of the National Society of Hispanic Physicists
Please send news, letters, congratulations, announcements, or
communications to**

**Dr. Jorge A. López, Physics Department, Univ. Texas at El Paso
(915) 747-7538, e-mail: jorgelopez@utep.edu, NSHP web site:
<http://hispanicphysicists.org>.**

- 1. NSHP Election Results**
- 2. FIP invites nomination to APS Fellowship**
- 3. Summer Research Experience in Medical Physics**
- 4. Department Chair, Physics and Astronomy - Eastern Kentucky University**
- 5. STEM Program Coordinator -- DePaul University – Illinois**
- 6. Chair of the Department of Physics, The University of Texas at El Paso**
- 7. Endowed Chair at Duke University in Experimental Condensed Matter Physics**
- 8. Rochester Institute of Technology's 6th Annual Future Faculty Career Exploration Program**
- 9. New APS brochure: "Explore, Understand, Succeed: Physics!"**
- 10. Experimental Physicists at The Richard Stockton College of New Jersey**
- 11. Assistant professor in Biological Physics at Drexel University**

1. NSHP Election Results

The election for the NSHP Board has now concluded. The officers and Board Members for 2008-2009 are Past President, Sergio Ulloa, Ohio University; President, David Ernst, Vanderbilt University; President-Elect, Luz Martinez-Miranda, University of Maryland; Secretary, Ramon Lopez, University of Texas, Arlington; Treasurer, Jesus Pando, DePaul University; Communication Officer, Jorge Lopez, University of Texas, El Paso; Technical Officer, Raul Armendariz, Harvard University; Undergraduate Student Representative, Felipe Colazo, Fisk University; Graduate Student Representative, Jorge Munoz, Caltech. Contact information for all can be found on our web site. Please feel free to contact any of us with ideas, suggestions, and especially to volunteer to do something.

Congratulations to the new Board !

2. FIP invites nomination to APS Fellowship

The Forum on International Physics of the American Physical Society has the opportunity to nominate candidates to Fellowship in the APS.

All candidates for APS Fellowship should have demonstrated outstanding contributions to physics. Those nominated by the FIP should, in addition, have

also shown significant contributions in the advancement of physics between different countries and communities from diverse cultural backgrounds. It is important that such contributions other than routine scientific collaborations are well documented in the nominating materials.

This is a great opportunity to recognize your colleagues whose devotion to the advancement of physics crosses the frontier of science, contributing to further understanding between nations.

Any member of FIP can submit a nomination and, therefore, we urge you to nominate fellow physicists of any nationality who fit this profile.

Instructions for nominations can be found at:

<http://www.aps.org/programs/honors/fellowships/index.cfm>

THE FIP DEADLINE FOR FELLOWSHIP NOMINATIONS IS MAY 15, 2008.

If you have any questions, please contact Satoshi Ozaki (ozaki@bnl.gov), Chair Forum on International Physics Fellowship Committee

3. Summer Research Experience in Medical Physics



The American Association of Physicists in Medicine, AAPM, sponsors scholarships for minority students to participate in summer research programs. Note that the deadline is April 11.

The American Association of Physicists in Medicine (AAPM) is pleased to announce the availability of its Minority Undergraduate Summer Experience (MUSE) Program for 2008. The program is designed to expose minority undergraduate university students to the field of medical physics by performing research or assisting with clinical service at a U.S. institution (university, clinical facility, laboratory, etc). The charge of MUSE is specifically to encourage minority students from Historically Black Colleges and Universities (HBCU), Minority Serving Institutions (MSI) or non-Minority Serving Institutions (nMSI) to gain such experience and apply to graduate programs in medical physics. Recipients of the fellowship are required to give an overview of their experience at the National Society of Black/Hispanic Physicists annual meeting, typically held on February of each year.

Medical Physics is a creative, expanding, and rewarding profession for the young scientist about to choose a career. Most large medical centers employ academic-based medical physicists, and many smaller hospitals and clinics are seeking well-trained, qualified medical physicists. Qualified medical physicists are required to have an M.S. or Ph.D. degree, and it is estimated that

there are approximately 3,600 medical physicists practicing in the United States.

The mission of the AAPM is to advance the practice of physics in medicine and biology by encouraging innovative research and development, disseminating scientific and technical information, fostering education and professional development of medical physicists, and promoting the highest quality medical services for patients. This program supports this mission by introducing bright young scientists to the field of medical physics through summer fellowships. For more information, contact Jacqueline Ogburn at phone: (301) 209-3390, fax: (301) 209-0862, e-mail: jackie@aapm.org, <http://www.aapm.org>.

4. Department Chair, Physics and Astronomy - Eastern Kentucky University

Applications and nominations are invited for the 12-month position of Chair of the Department of Physics and Astronomy at Eastern Kentucky University. The appointment, which requires half-time teaching and half-time administration, will commence on July 1, 2008. Candidates must hold a PhD in physics or a closely related field from a regionally (SACS, North Central, etc.) accredited or internationally recognized institution and possess a record of teaching skills and of scholarly accomplishment appropriate for appointment at the tenured rank of associate or full professor. The Chair has duties that include supervision of staff, scheduling of classes, summer advising, and other duties normally associated with the position. The Chair reports to the Dean of the College of Arts and Sciences. Creative Leadership, effective communication skills in order to be a strong advocate for the Department, and the ability for appropriate decision-making are qualities also required of the candidate.

The successful candidate will provide leadership for the faculty in undergraduate programs in physics, physics education, pre-engineering, and general education. Candidates must provide evidence of administrative skills and quality teaching. In particular the Department has started new initiatives in activity based instruction in introductory physics courses, and initiated new programs in undergraduate research. The successful candidate will demonstrate support for these initiatives.

Eastern Kentucky University has a student body of about 16,000 students and is located in the scenic Bluegrass Region of Kentucky, 25 miles south of Lexington. The University is committed to providing educational programs, research, extension, and continuing education services to Eastern Kentucky. The Department has seven full-time faculty members. The Department expects to move into a new, state-of-the-art science building that should be ready in 2011.

Applications are being accepted on line at <https://jobs.eku.edu> (search for Department of Physics and Astronomy postings). The required application

must include a letter of application, curriculum vitae, copies of transcripts, supplementary materials which address the qualifications listed above (such as statements of administrative and teaching philosophies), and the names, email addresses, and phone numbers of three references. Questions about this position may be addressed to Dr. Tom Otieno, Associate Dean, College of Arts and Sciences at tom.otieno@eku.edu.

Applications review will begin on April 15, 2008, and will continue until the position is filled. Offers of employment are contingent upon completion of a satisfactory criminal check and educational credential verification.

Eastern Kentucky University is an EEO/AA institution that values diversity in its faculty, staff, and student body. In keeping with this commitment, the University welcomes applications from diverse candidates and candidates who support diversity.

5. STEM Program Coordinator -- DePaul University – Illinois

The College of Liberal Arts and Sciences of DePaul University in Chicago invites applications for a staff member to coordinate activities for science and mathematics students as part of a project funded by the National Science Foundation STEM Talent Expansion Program. The project is called the Chicago Initiative for Recruitment and Research in Undergraduate Science (CIRRUS) and is intended to increase the number of students graduating in mathematics and science. The person in this position will work closely with the project directors, serve as advisor and mentor to undergraduate science and mathematics students at DePaul, and act as liaison between CIRRUS students and collaborating universities, museums (including the Field Museum, the Adler Planetarium, and the Peggy Notebaert Nature Museum), and labs in the Chicago area. He or she will have the opportunity to work with a diverse group of students, faculty, and staff both at DePaul and in the larger Chicago science community, and to contribute to the promotion of systemic change in undergraduate science and mathematics education.

The STEM Program Coordinator will be responsible for planning and implementing activities for CIRRUS and other STEM students at DePaul and collaborating institutions. Major duties include:

- Act as advisor, mentor, and coordinator of peer instruction for all students participating in the CIRRUS program.

- Coordinate internships, research experiences, and other student professional development activities with CIRRUS partners.
- Provide support for advising of STEM students, assist in recruiting, and facilitate the transfer of STEM students from two-year colleges to DePaul.
- Assist the project directors in CIRRUS-related networking initiatives and activities.

The successful candidate is expected to have a background and strong interest in science and mathematics, with at least a master's degree in science, mathematics, or science or mathematics education. Those who hold a Ph.D.

degree are encouraged to apply. Other qualifications include experience advising, mentoring, and creating pipeline programs for a diverse student population.

Initial funding for this position comes partly from the NSF and partly from the College of Liberal Arts and Sciences at DePaul. It is expected that the position will offer opportunities for growth in the area of undergraduate science and mathematics education. We anticipate a starting date of June 1, 2008, but are flexible.

Applicants should send a letter of application, a curriculum vitae, and names, email addresses, and phone numbers of three references to Chris Goedde, Chair, Department of Physics, DePaul University, 2219 N. Kenmore, Chicago, IL 60614.

Questions regarding the position should be addressed to Dr. Goedde, cgoedde@depaul.edu, 773-325-7330, or Dr. Carolyn Narasimhan, Associate Dean, College of Liberal Arts and Sciences, cnarasim@depau.edu, 773-325-1854. Applications will be accepted until the position is filled, with review beginning April 15. References will be contacted only after consultation with the applicant. DePaul is an equal opportunity employer and diverse candidates are encouraged to apply.

6. Chair of the Department of Physics, The University of Texas at El Paso



CHAIR AND PROFESSOR

Department of Physics

The University of Texas at El Paso

The University of Texas at El Paso, College of Science invites nominations and applications for the position of the Chair of the Department of Physics with a preferred starting date of August 1, 2008.

THE POSITION: Reporting to the Dean, the Chair serves as the academic leader and representative of the Department of Physics. This position is primarily responsible for: advancing a culture of academic and research excellence where distinction in teaching and research is expected and rewarded; providing leadership for research programs, curriculum development, implementation, and assessment of student learning, and strategic initiatives that further the Department and College strategic plans. The successful candidate must possess a Ph.D. degree in any area of Physics and have the rank of full professor. A strong record of research, teaching and service to the profession, and attracting external funding is expected. The candidate will also be expected to communicate a vision for the Department that will lead to a new level of accomplishment and national recognition. In addition, the Chair will be expected to teach at least one course each semester.

Additional information about this position and our Physics Department can be found at <http://www.utep.edu/employment> or <http://academics.utep.edu/physics>

COMPENSATION: Salary is commensurate with the background and experience of the individual selected.

APPLICATIONS & NOMINATIONS: A complete application portfolio will include a letter addressing the qualifications cited and interest in the position; statement(s) of philosophy on teaching, research/scholarship and administration; a current résumé; and the names, addresses, and telephone numbers of at least five professional references. Other documentation may be requested. The preferred starting date is August 1, 2008. The position will remain open until filled. Applications, nominations, and inquiries should be addressed to:

Dr. Jorge Gardea-Torresdey

Department of Chemistry, The University of Texas at El Paso

El Paso, TX 79968-0513

Voice: 915-747-5701; Fax: 915-747-5748; Email: jgardea@utep.edu

These positions are security-sensitive and subject to the Texas Education Code 51.215, which authorizes the employer to obtain criminal history record information. An employment offer is contingent on completion of a satisfactory criminal background investigation.

The University of Texas at El Paso is an Equal Opportunity/Affirmative Action Employer. The University does not discriminate on the basis of race, color, national origin, sex, religion, age, disability, or sexual orientation in employment or the provision of services.

UNIVERSITY OF TEXAS AT EL PASO

7. Endowed Chair at Duke University in Experimental Condensed Matter Physics

The Department of Physics at Duke University invites applications and nominations for an Endowed Chair in Experimental Condensed Matter Physics, including Biological Physics, at the tenured Full Professor level to begin on or after January 2009. We are looking for candidates who have a primary interest in the fundamental physics of hard or soft condensed matter systems and demonstrated excellence in research and teaching. The successful candidate is expected to lead a world class program and will benefit from potential overlap with current university thrusts in nanoscience, imaging, and/or optics and photonics.

Applications should include a complete curriculum vitae and publication list,

and a statement of research and teaching.

Application should be made via <https://academicjobsonline.org>. Additional material may be sent to: Prof. Robert Behringer, Chair of the Search Committee, c/o Florin Damian, Department of Physics, Duke University, Box 90305, Durham, NC 27708-0305. The search committee will begin evaluation of applicants on April 1, 2008. Duke University is an Equal Opportunity/Affirmative Action Employer; we particularly encourage applications from women and minorities.

8. Rochester Institute of Technology's 6th Annual Future Faculty Career Exploration Program

The annual Future Faculty Career Exploration Program (FFCEP) is an all-expense-paid opportunity for minority Ph.D. and MFA students or individuals involved in a Post Doctoral assignment to visit Rochester Institute of Technology (RIT) and Rochester, NY for a weekend. This program enables diverse students interested in teaching to explore potential faculty career choices through exploratory interviews; formal presentations; meetings with deans, department heads, and RIT president; along with campus and community tours. The Future Faculty Program allows RIT deans to engage prospects in discussions about their academic work and career interests. It allows faculty to share RIT's teaching and research agenda and to dialog on current open faculty positions or those that may be available in the near future.

We are especially interested in applications from people of color who are underrepresented and underserved in teaching professions; i.e., African American, Latin American, American Indian, or Alaskan Native.

Application deadline is June 2, 2008

Program date: September 24-28, 2008

Visit our website for more details:

<http://finweb.rit.edu/humanresources/employment/ffcep/>

9. New APS brochure: "Explore, Understand, Succeed: Physics!"

The brochure can be viewed on www.minoritiesinphysics.org and is written at the middle school level to encourage young minority students to study physics and consider physics careers. If you would like to have hard copies of the brochure to hand out to young minority students as you engage in your outreach activities, please contact me and I will have them sent to you. All I ask is that you give us an account of how you have distributed the brochures.

Thank you for doing your part to share the excitement of physics with young people. It's an investment in the next generation of scientists and in a scientifically literate society.

Arlene Modeste Knowles, Outreach Programs Administrator, Education & Diversity Department, American Physical Society, One Physics Ellipse, College Park, MD 20740, 301-209-3232, 301-209-0865 fax, knowles@aps.org

10. Experimental Physicists at The Richard Stockton College of New Jersey

The Richard Stockton College of New Jersey is seeking an outstanding experimental Physicist and teacher to begin as of September 1, 2008, who will show strong commitment to both teaching and research, and join the Physics Program in the School of Natural Sciences and Mathematics as the College is about to embark on the design and planning for a 170,000 square foot Unified Science Center.

Teaching load is 12 hours/semester, with most courses carrying 4 - 6 hours of teaching credit. Primary teaching responsibilities will include the teaching of introductory and advanced level physics courses and accompanying laboratories, developing courses in the candidate*s area of expertise, as well as participation in the College*s General Education offerings. Excellence in teaching and extensive experience as a hands-on experimentalist are expected. Doctoral degree in Physics required and post-doctoral experience would be a plus. Salary commensurate with experience and qualifications.

The successful candidate will also be encouraged to develop a research program, seek external grants and foster faculty-mentored student undergraduate research. The College provides some start up funds and competitive internal grant programs to assist in project initiation.

Opportunities for scholarly activity could include participation in the College*s large-scale alternative energy projects as well as seeking research collaborations at the near by William J. Hughes Technical Center of the Federal Aviation Administration. Several major research universities are located within one to two hours drive from Stockton.

Screening will begin in late January. Send a letter of application, a resume, statements about teaching philosophy and research interests, and have three letters of recommendation sent to: Dean Dennis Weiss, School of Natural Sciences and Mathematics, The Richard Stockton College of New Jersey, P.O. Box 195, Pomona, NJ 08240. Stockton is an AA/EOE employer.

The Richard Stockton College of New Jersey is a nationally ranked public liberal arts college located in southern New Jersey. The college puts a primary emphasis on excellence in teaching and in providing quality education to its students. It is located on 1600 acres about one hour from Philadelphia, two hours from New York City, three hours from the Baltimore/Washington area, and 20 minutes from Atlantic City. The College has seven undergraduate programs in the sciences and has several approved master*s programs. Stockton provides opportunities for academic, pedagogical, scholarly and interdisciplinary personal development in the sciences and mathematics.

11. Assistant Professor in Biological Physics at Drexel University

The Department of Physics at Drexel University seeks a tenure track Assistant Professor with research related to protein folding/association diseases, with excellence in both research and teaching. Although a junior level experimentalist is preferred, serious consideration will also be given to outstanding candidates who are more senior, or who work in theoretical or computational physics in the same research area. Send a CV, research plan, and statement of teaching philosophy, plus 3 letters of reference, to Biological Physics Search, Department of Physics, Drexel University, Philadelphia, PA 19104, or electronically to BiophysicsSearch@physics.drexel.edu before March 1, 2008.

Applications from women and candidates of minority status are encouraged.
Drexel University is an Affirmative Action/Equal Opportunity Employer.

Jorge A. López
Chair and Shumaker professor
Physics Dept., UTEP
915-747-7528
<http://www.jorgelopez.utep.edu/jorgeptr/jorge.htm>