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Subject: NSHP News: June 23, 2011
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To: undisclosed-recipients;

The Hispanic Physicist

A news service of the National Society of Hispanic Physicists

Please send news, congratulations, etc. to

Dr. Jorge A. Lopez, jorgelopez@utep.edu

or upload job opportunities in our web site:<http://www.hispanicphysicists.org>

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1. The Joint Annual Conferences of NSBP and NSHP, Austin, TX 9/21-24/2011

The Joint Annual Conferences of the National Society of Black Physicists and the National Society of Hispanic Physicists, sponsored by the National Science Foundation, the University of Texas at Austin, and the Southeastern Universities Research Association, will bring together over 600 African American and Hispanic American physics students and professionals. This conference has a cutting-edge scientific program as well as a student professional development program that includes mentor-protégé match-making and a recruiting fair.

The NSBP/NSHP annual conference is the largest gathering of African American and Hispanic American physicists and physics students in the world. The conference thus offer recruiters unparalleled opportunities to interact with and recruit talented students, internship/fellowship candidates, researcher collaborators and other program participants.

We have lined up two dinner speakers:

- John Mather, 1971 Nobel Laureate, Goddard Space Flight Center, for measuring the fluctuations in the microwave background with the Kobe satellite.
- Steven Weinberg, Nobel Laureate, University of Texas, for the unification of the electromagnetic and weak interaction

Very best regards,

Peter J. Delfyett Luz Martinez-Miranda
President, NSBP President, NSHP

WHEN Wednesday, September 21, 2011 12:00 PM - Saturday, September 24, 2011 9:00 PM, Renaissance Austin Hotel, 9721 Arboretum Boulevard, Austin, TX 78759USA
Attire Business Attire.

Home Page: <http://www.cvent.com/d/myVKn2rfH0eATLAp9jT8ZQ/1j0v/P1?>

Event Agenda: <http://www.cvent.com/d/myVKn2rfH0eATLAp9jT8ZQ/1j0v/P1/6X?>

2. African Canadian Physicists wanted

Former APS Committee on Minorities in physics member, Kevin Hewitt is interested in locating African Canadian Physicists, who will soon graduate with a PhD or are currently doing a post-doc, and who are interested in faculty positions in Canada.

If you fit the description or know of others who may be interested in working in Canada, please contact Kevin directly:

Kevin Hewitt

Kevin.Hewitt@DAL.CA

Associate Professor and Graduate Coordinator

Department of Physics and Atmospheric Science

Dalhousie University

3. 2011 Negotiating the Ideal Faculty Position Workshop, Rice University for Underrepresented Postdocs and Late Stage PhD Students

A recent study of diversity in engineering notes that "the most accurate predictor of subsequent success for female undergraduates is the percentage of women among faculty members at their college [1]." At Rice University we are strongly committed to increasing the diversity of science and engineering faculty and students. As part of this goal we are sponsoring a workshop for underrepresented* graduate students and post-docs in Science, Engineering, and Psychology who are interested in pursuing an academic career. The workshop, Negotiating the Ideal Faculty Position, (September 18-20, 2011), is designed to provide participants hands-on experience to enhance their knowledge of and ability to find the right faculty position. Through support from the National Science Foundation (NSF) ADVANCE Institutional Transformation Award, all meals, and lodging costs will be provided for workshop participants as well as a travel stipend for airfare or mileage of up to \$200. Applications are due July 28. The online application can be found at <http://advance.rice.edu/applicationform.aspx>

Topics Covered in Negotiating the Ideal Faculty Position Workshop

- Finding the right institutional fit
- Understanding what a search committee is looking for
- Standing out in the interview
- Maximizing the impact of your interview seminar
- Negotiating a good start up package
- Obtaining funding
- Building your lab/research program
- Understanding the tenure process
- Balancing work and family

Please give the attached flier to qualified candidates who are interested in an academic career.

Jan Rinehart

Executive Director, NSF ADVANCE Program

4. Proposal development workshop for minority-serving institutions

This is an early e-mail alert regarding an information and proposal development workshop for minority-serving institutions that is focused on the National Science Foundation (NSF)'s Robert Noyce Teacher Scholarship Program. The workshop, to be conducted by the Quality Education for Minorities (QEM) Network, with support from NSF, will take place in Albuquerque, NM, on Friday-Saturday, December 9-10, 2011. The identification of the Hotel location in Albuquerque is being finalized.

According to the most recent Noyce Solicitation available (attached), the Program seeks to encourage talented science, technology, engineering, and mathematics (STEM) majors and professionals to become K-12 mathematics and science teachers. The Program provides funds to institutions of higher education to support scholarships, stipends, and academic programs for undergraduate STEM majors and post-baccalaureate students holding STEM degrees who commit to teaching in high-need K-12 school districts. The Solicitation for FY 2012 is expected to be released prior to the workshop and is the Solicitation that should be used in preparing proposals for the FY 2012 Noyce competition.

Another component of the Program supports STEM professionals who enroll as NSF Teaching Fellows in master's degree programs leading to teacher certification by providing academic courses, professional development, and salary supplements while they are fulfilling a four-year teaching commitment in a high need school district. This component also supports the development of Master Teaching Fellows by providing professional development and salary supplements for exemplary

mathematics and science teachers to become Master Teachers in high need school districts.

If this workshop is of interest to your institution, we invite you to use the attached registration form to identify a two-person faculty team consisting of a STEM faculty member and a teacher education faculty member as potential participants in the Albuquerque workshop. QEM's award from NSF will support travel, lodging, and other associated expenses for the participation of 15 two-person teams from minority-serving institutions with teacher education programs that have national, regional, or state accreditation. The registration deadline for this workshop is Friday, November 4, 2011.

Each institutional team will be required to submit, prior to the workshop, a project summary for a proposal, based on the FY2012 Noyce Program Solicitation if the guidelines are available prior to the deadline for the Workshop. Otherwise, the project summary must be based on the attached guidelines. The deadline for receipt of the required Project Summary is Friday, November 11, 2011.

Please feel free to contact me by e-mail at smmcbay1@qem.org or Althea Burns, Associate and Conference Coordinator, ataburns@qem.org. Either of us can be reached by telephone at 202/659-1818.

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5. Faculty Position in Exp. Nuclear and Elem. Particle Physics, UCLA

The Department of Physics and Astronomy at the University of California, Los Angeles invites applications for a tenure track, assistant professor position in experimental nuclear and elementary particle physics. The department is seeking outstanding candidates with the potential for exceptional research and excellence in teaching, and also a clear commitment to enhancing the diversity of the faculty, graduate student population, and of the majors in physics and astronomy. The UCLA Department of Physics and Astronomy has very active research programs in nuclear and particle physics that include Heavy Ion Collisions and Spin Physics at RHIC, CMS Collider Physics at LHC, Direct and Indirect Dark Matter Detection, Very High Energy Cosmic Neutrinos, Gamma-Ray Astronomy, and Neutrinoless Double Beta Decay. Candidates from all nuclear and particle physics areas are invited to apply, particularly those from RHIC, O and LHC physics. Applicants should submit a curriculum vita, a statement of research interests, a list of publications, and arrange to have no more than three letters of recommendation sent to:

Email: NP-EPP@physics.ucla.edu (preferred) or
Office of the Chair
Attn: Experimental NP-EPP Search
UCLA Department of Physics and Astronomy
475 Portola Plaza, Rm. 2-707 PAB
Box 951547
Los Angeles, CA 90095-1547

The deadline is September 30, 2011. However, the search will remain open until the position is filled. Please refer to Tracking #1000-1112-01 in all correspondence. The Department has a strong commitment to the achievement of excellence and diversity among its faculty and staff. The University of California is an Equal Opportunity/Affirmative Action Employer.

6. Lecturer positions, Dept. Physics, Rochester Institute of Technology

The Rochester Institute of Technology Department of Physics invites applications for two or more faculty positions at the rank of Lecturer. The Lecturer position is a 9.5 month, non-tenure track appointment that begins August 22, 2011 and may have the possibility of renewal.

The primary responsibility of the position is teaching introductory physics in an activity-based, workshop format. The minimum qualifications are a PhD in physics or a closely related discipline, experience teaching introductory physics, and strong communication skills. Candidates must be legally eligible to work in the United States beginning August 22, 2011 and continuing through the duration of the 9.5 month appointment. Experience teaching in an interactive environment and familiarity with current trends in undergraduate physics education are desirable. Research interests compatible with the Department's

current research activities are also desirable. Opportunities for summer teaching may be available.

All application materials must be submitted online at <http://careers.rit.edu/> (search for IRC47414). All application materials must be submitted as one PDF file that includes a cover letter addressing the listed qualifications, curriculum vita that clearly describes teaching experience, a statement of teaching philosophy, any evidence of teaching effectiveness and a list of three current professional references. Candidates should also arrange to have the three references send letters of support directly to Chair, Faculty Search Committee, Department of Physics, Rochester Institute of Technology, 85 Lomb Memorial Drive, Rochester, NY 14623-5603. To receive full consideration, all application materials should be received by July 8, 2011. Email inquiries regarding the position should be sent to PhysSrch@rit.edu. The Department of Physics web page is located at <http://www.rit.edu/cos/physics/>.

The Rochester Institute of Technology is an equal opportunity/affirmative action employer. Members of protected classes and individuals with the ability to contribute in meaningful ways to the university's continuing commitment to cultural diversity, pluralism, and individual differences are encouraged to apply.

7. Lecturers in Physics, Physics Dept., Southern Illinois University Carbondale

The Physics Department of Southern Illinois University Carbondale invites applications for two or possibly three variable-time, term lecturer positions for the Fall of 2011 and the Spring of 2012. A M.S. in Physics is required as the minimal educational qualification for the positions. Applicants must have experience teaching Physics courses at the university level. Please send a letter of application, a CV and arrange for three letters of recommendation to be sent to: Dr. Naushad Ali, Chair, Department of Physics, Mail Code 4401, Southern Illinois University Carbondale, 1245 Lincoln Drive, Carbondale, IL 62901. Review of applications will begin July 15, 2011 and will continue until the positions are 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 _____ 8. Call for APS' Forum on Education Awards, deadline is July 15th.

The Forum on Education Executive Committee would like to make you aware of the following award recognizing Departments and Programs efforts for improving undergraduate physics education. The application deadline is July 15th.

Recognition for Departments and Programs of Distinction (Award for Improving Undergraduate Physics Education Application Deadline: July 15)

The American Physical Society's (APS) Committee on Education (COE) seeks to recognize physics departments and /or undergraduate-serving programs in physics that support best practices in education at the undergraduate level. Programs will be recognized for 3 years, acknowledged on the APS website, awarded a plaque, announced in APS News, and recognized at an APS national meeting. These awards are intended to acknowledge commitment to inclusive, high-quality physics education for undergraduate students, and to catalyze departments and programs to make significant improvements. More info can be found at:

<http://www.aps.org/programs/education/undergrad/faculty/award.cfm>

Note: this Award is Distinct from the Excellence in Physics Education Award, which has a deadline of July 1 (more information at <http://www.aps.org/programs/honors/awards/education.cfm>).

9. Mini-symposium "Exp. Adv. in transfer reactions", East Lansing, 10/26-29, 2011

<http://meetings.nsl.msui.edu/dnp2011/>

Current trends in nuclear-structure physics and the modern emphasis on properties of nuclei far from stability have renewed interest in direct nucleon transfer reactions, in particular with radioactive beams. This subject is of great interest today, and will be a major focus of study at future rare-isotope beam facilities such as FRIB. Of particular importance are the need to connect experiment with both nuclear-reaction and nuclear-structure theory, and to determine the important nuclear properties such as quantum numbers and spectroscopic factors for single-particle states that are necessary to apply the results of nucleon-transfer reaction measurements to the areas of nuclear structure, astrophysics, and other applied areas. This mini-symposium will focus on the latest experimental results, new experimental techniques, and the new directions and opportunities at future facilities.

To submit an abstract, be sure to select this mini-symposium as your preference during the submission procedure. Important Note: The deadline for abstract submission is July 1, 2011.

Submitting an abstract

Go to the APS web site: <http://www.aps.org>

Follow the links under "Meetings & Events" to "Meeting Calendar" and under the "2011 Fall Meeting of the APS Division of Nuclear Physics" one will find "Abstract Submission". NOTE the 1300 character limit.

One's membership number is NOT a required field. The abstract submission deadline is 1 July at 5:00 PM EDT. FYI: Abstracts once submitted will not be modified by the APS. There are just too many for special treatment. One can withdraw the abstract and submit a new abstract anytime before the 1 July deadline.

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10. Conference Experience for Undergraduates, East Lansing, MI, 10/26-29/2011

All undergraduate students who have participated in nuclear physics research are invited to apply! Students will present research posters and participate in several CEU and conference related events. Travel and lodging awards will be granted to a number of the top qualifying students. Please refer to the CEU website for more detailed information, updates, and application information:

<http://physics.westmont.edu/ceu/>

PROGRAM

CEU11 will include the following highlights: student research poster session, undergraduate nuclear physics seminars, graduate school information session, CEU social reception, and regular DNP conference events, including attendance at invited and contributed talks.

QUALIFICATION AND APPLICATION

Students (fall 2011 returning undergraduates) who have participated in experimental or theoretical nuclear physics research are invited to apply. The online application (found on the link above) consists of a research abstract and a brief summary of the student's individual contribution to the larger group effort. Application deadline is 1 August 2011. Applications will be reviewed and travel and lodging award decisions will be based on the quality of the research, and the imagination and creativity reflected in the student's contribution.

QUESTIONS: Contact Warren Rogers ceu@westmont.edu

ALL UNDERGRADUATE STUDENTS WHO HAVE PARTICIPATED IN NUCLEAR PHYSICS RESEARCH ARE ENCOURAGED TO APPLY! To stop receiving email of this nature from APS, click on the link below.

<http://ultron.aps.org/cgi-bin/scrconf.pl?MID=60010830&UNIT=DNP&ACTION=-1>

11. Director, Physics Teaching Labs., University of Massachusetts Amherst
12. Program manager, Accelerator Science, DoE, Office of High Energy Physics
13. NSF Physics Division at the NSF is seeking Program Directors
14. Two new cool outreach resources from the Acoustical Society of America

The Physics Department at the University of Massachusetts, Amherst, invites applications for a Director of the Physics Teaching Laboratories. This is a Lecturer-level, non-tenured, faculty position with the possibility of both long-term employment and eventual promotion to Senior Lecturer. The preferred starting date for the position is September 1, 2011. An advanced degree in Physics is desired but candidates with a Bachelor's degree in Physics or a closely related field with suitable experience will also receive full consideration. Minimum starting 12-month salary will be \$59,300. The position will be filled contingent upon University funding.

The Teaching Lab Director supervises one full-time staff person and is responsible for scheduling, setup, and maintenance of equipment, supplies, and rooms for all lower-level undergraduate physics laboratory courses. The Director also supervises and helps train graduate teaching assistants to teach lab sections, provides academic oversight of lab courses, and develops new laboratory course materials. Applicants should submit a letter of application and a CV, as well as arranging to have three letters of reference sent to: Teaching Labs Director Search, #R40522, Physics Department, 710 N. Pleasant St., University of Massachusetts, Amherst, MA 01003. Alternatively, application materials may be sent to search@physics.umass.edu. Evaluation of applications will begin on June 20, 2011 and continue until the position is filled.

The University is part of the Five-College Consortium (www.fivecolleges.edu) in the Pioneer Valley in Western Massachusetts. 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.

12. Program manager, Accelerator Science, DoE, Office of High Energy Physics

The U.S. Department of Energy (DOE), Office of High Energy Physics (HEP), located in Germantown, Maryland, is seeking to fill a position with a Physicist who will serve as a program manager in the area of Accelerator Science. The DOE HEP program in Accelerator Science provides the scientific knowledge and basis for a wide variety of advanced accelerator technologies and techniques that are used not only in carrying out the HEP research program but also in support of the research missions of other DOE Office of Science programs.

Candidates for this position should have a background including research experience and advanced degree(s) in accelerator physics, accelerator-based science (such as particle physics), or closely related fields. The selected individual will manage the HEP research program in Accelerator Science, and as such have the responsibility to plan, coordinate, implement, and evaluate research programs and projects in this field on a national and international level. Specific duties of the position include: preparing calls for proposals, organizing independent peer reviews, recommending funding allocations, preparing, justifying and supporting the portions of the Office's budget relating to accelerator science, and developing and preparing analytical documents to communicate with top management.

The salary range of this position is \$123,758-\$155,500. To be considered for this position you will need to apply online. Announcement number 11-DE-SC-HQ-019(jam) will be open to all current U.S. citizens; announcement number 11-MP-SC-HQ-028(jam) will be open to Career and career-conditional DOE HQ employees including Headquarters employees duty stationed in the field. These announcements will be open for 10 days from May 23, 2011 – June 1, 2011. It is imperative that you follow the instructions as stated on the announcements. U.S. Citizenship is required. The Department of Energy is an Equal Opportunity Employer.

The job announcement can be found here:

<http://jobview.usajobs.gov/GetJob.aspx?>

[JobID=99668296&JobTitle=Physicist&q=%28jam%29&brd=3876&vw=b&FedEmp=N&FedPub=Y&x=0&y=0&pg=1&re=0&AVSDM=2011-05-24+08:12:00](http://jobview.usajobs.gov/GetJob.aspx?JobID=99668296&JobTitle=Physicist&q=%28jam%29&brd=3876&vw=b&FedEmp=N&FedPub=Y&x=0&y=0&pg=1&re=0&AVSDM=2011-05-24+08:12:00)

13. NSF Physics Division at the NSF is seeking Program Directors

The Physics Division at the NSF is seeking applicants for the position of Program Director in the Elementary Particle Physics, Particle and Nuclear Astrophysics, Theoretical Atomic, Molecular and Optical Physics, and Gravitational Physics Programs. In order to make certain that as many people as possible know that the positions are available, could you please post a reference to the announcement in the NSHP Newsletter?

Reference to the posting is given on the NSF Mathematical & Physical Sciences Directorate webpage at the URL <http://nsf.gov/pubs/2011/mps11003/mps11003.jsp?org=NSF>.

This page also includes a description of the various appointment alternatives and instructions on how to apply to the announcement. Details about the programs, and all programs in the Physics Division are given on the PHY page as well at <http://www.nsf.gov/div/index.jsp?div=PHY>.

If you have any questions, please do not hesitate to contact me.

Kimberly Humphries
Operations Specialist
Division of Physics, Rm. 1015
(703) 292-7387 (office)
(703) 292-9078 (fax)

14. Two new cool outreach resources from the Acoustical Society of America

First is the launch of [Exploresound.org](http://maestro.aip.org/trk/click?ref=zstq4sfk3_0-5e7x3d17x13404&) <http://maestro.aip.org/trk/click?ref=zstq4sfk3_0-5e7x3d17x13404&>, a website aimed at kids of all ages. It includes activities for students and research-based, student tested materials for teachers such as classroom materials, games, and career profiles of acousticians. Pages with information for teachers and parents, definitions of sound terms geared for basic, intermediate and advanced audiences, and links to additional resources are all part of this exciting new website. Materials are continually being added with the goal of representing all major areas of acoustics.

In addition to the website, a new four-part poster series -- Make Waves - Discover Science -- has been created which explores acoustics, lasers, echolocation, and cross-polarization. Each poster is available for download and printing in English, Spanish, French, Russian, Turkish, and Mandarin along with supplemental pamphlets in English featuring definitions, activities, and career profiles. You can order a set of full-sized posters without charge by following a link from the Exploresound.org

<http://maestro.aip.org/trk/click?ref=zstq4sfk3_0-5e7x3d17x13404&> site to the online order form.

The website and the poster series were developed through a partnership between the Acoustical Society of America (ASA) and the Optical Society of America (OSA) Foundation with help from the ASA Website for Kids Committee, the ASA Posters for Kids Committee, and the OSA Membership & Education Services Council.

Jorge A. López
Schumaker Professor
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