

The Hispanic Physicist

The Newsletter of the National Society of Hispanic Physicists

Year 16

April 15, 2012



NSHP Receives NSF Grant to participate in SACNAS conferences

The National Society of Hispanic Physicists has partnered with the Society for the Advancement of Chicanos and Native Americans in Science (SACNAS) ever since our founding in 1996. NSHP has organized physics scientific sessions, organized student professional development sessions, provided judges for posters and oral presentations, and obtained grants from the National Science Foundation and the Department of Energy to build the level of participation of physics, astronomy, and materials science at the Annual SACNAS Conference. We have just learned that a proposal, written by David Ernst, Luz Martinez-Miranda, and Marcel Agueros, and submitted by NSHP through the Southeastern Universities Research Association (SURA) to the National Science Foundation has been successful. The grant is for \$25,000/year for support of students and speakers at the 2012 – 2014 SACNAS Annual Conference. Students please note the **deadline of April 26** for both applying for financial support or for submitting an abstract if you wish to attend the 2012 SACNAS Annual Conference to be held in Seattle, WA, Oct. 11-14. We need to thank NSF and SURA for their support of this effort.

Visit NSHP boot at USA Science Festival Expo and Book Fair April 28 – 29, Washington DC

NSHP booth at the USA Science Festival (www.usasciencefestival.org/) will be in the Walter E. Washington Convention Center in Washington DC, April 28 & 29. Our table (#3451) has the theme "Puzzles, Mysteries, and Demonstrations". If you have some extra time and would like to work the table and represent NSHP to the next generation ... contact Juan Burciaga (jburciag@mtholyoke.edu) for information.



University of Houston named Hispanic Serving Institution

The University of Houston has been designated an Hispanic-Serving Institution (HSI) by the U.S. Department of Education Office of Postsecondary Education, becoming one of only three Tier One public research universities in the nation -along with New Mexico and the University of California Riverside— with this designation and the only such institution in Texas. A university is designated as an HSI if its enrollment of full-time undergraduates is at least 25-percent Hispanic. The designation means UH may compete for grants that support or expand educational opportunities of Hispanic students. NSHP founder Dr. Carlos Ordóñez is ready at UH to receive ideas on how to potentiate this new denomination in favor of Hispanics, ideas are welcome!. Carlos can be contacted at cordonez@uh.edu.



NSHP Officer elected Vice President of Radiation Division of Mexican Physics Society

At the meeting held during the VIII Symposium on Radiation Physics in Mexico's UNAM last April 9-11, NSHP Communication Officer, Dr. Jorge A. López, was elected Vice President of the Radiation Division of the *Sociedad Mexicana de Física* for the biennium 2012-2014, and will serve as President of the Division during 2014-2016. The Division encompasses research in all areas related to ionizing radiation and applications, including nuclear and atomic reactions, materials science, environmental radiation, etc. For more information on the Division's activities see <http://www.smf.mx/~fr-smf/>.

Support requested for Maryland's Dream Act

Juan Sancen, a high school student requested *HP* forwards this petition to the NSHP membership.

Students from Cesar Chavez Academy High School in Southwest Detroit are currently involved in defending the Maryland Dream Act. They being supported by an organization in Detroit called AIR (Alliance for Immigrants Rights) and are called SING (Student Immigration Nexus Group). During the summer, they are planning to go to Maryland and get involved in political movements to assist other Dream Act groups. This is a crucial step towards a national Dream Act. It took students from Maryland 10 years of struggle to make the Maryland Legislature pass this bill. However, the Maryland Dream Act is currently in danger because it's being put to a vote of



the people. They know that this is a crucial campaign to support the national Dream Act, because if the Maryland Dream Act is repealed, it could lead other states to do the same. SING is looking for people to support them by spending a week in Maryland with them. Food and room expenses are covered. If you have any other questions you can join their Facebook page by Liking [SING \(Student Immigration Nexus Group\)](#). You can also contact the director Juan Sancen at juanstein1@gmail.com or at juan@michiganimmigrationreform.org. Stay updated!

News you can use

Nominations requested for APS' Fellowships through FIP

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 identifiable contributions to the development of programs and collaborations between physicists and their communities from diverse cultural backgrounds. 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. We urge you to nominate fellow physicists of any nationality who fit this profile. Instructions for nominations can be found at: <http://aps.org/programs/honors/fellowships/index.cfm>. **DEADLINE FOR NOMINATIONS IS MAY 15, 2012.**

CAARI 2012

The deadline for abstract submission (**Tuesday, the 1st of May**) to the 22nd International Conference on the Application of Accelerators in Research and Industry (CAARI 2012) to be held August 5 - 10, 2012 in Fort Worth - Texas, is fast approaching! Please visit www.caari.com to find information about the format of the abstracts to be submitted online. Also, if you have graduate students in your organization or know of a graduate student who would enjoy attending the conference, there are Conference Assistant opportunities. Please tell your students to visit www.caari.com/reg/reg.shtml and click on the Conference Assistant Opportunity for more information and to apply.

\$1,250.00 DegreedUp.org Cash Scholarships

NO APPLICATION FEE REQUIRED. DegreedUP.org is proud to announce up to **FOUR 1,250.00 Cash Scholarships for Spring 2012**. ANY student (future or current) that has been accepted or attends a community college, technical/trade college, or university may apply. Also, up to the first 15 applicants of each deadline month (see below) will receive one free product of their choice from the DegreedUP store shipped via regular mail. Contact your school's scholarship office and request an application or apply online at www.degreedup.org/cashscholarship.html DEADLINES: 4/27, 5/27, 6/27, and 7/27.

FRIB Conferences

- **Exotic Beam Summer School**, Aug. 4 - 11, 2012, Argonne Nat. Lab., August 4-11, 2012. Applications accepted through May 15, 2011. http://www.dep.anl.gov/p_graduate/ebss/.
 - **Nuclear Structure 2012**, Argonne National Laboratory, August 13-17, 2012, USA, <http://ns12.anl.gov>.
 - **Workshop on Detector Arrays for Nuclear Science**, May 24-25, 2012, Pacific Northwest National Lab, <http://events.pnnl.gov/array>, or contact Luke Erikson at detworkshop@pnnl.gov
 - **Collective Motion in Nuclei under Extreme Conditions (COMEX4)**, Oct. 22-26, 2012, Shonan Village Center, Hayama (Kanagawa), Japan, <https://sites.google.com/a/cns.s.u-tokyo.ac.jp/comex4/>
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Part Time Temporary Faculty Appointment in Physics, The North Carolina School of Science and Mathematics

<http://www.ncssm.edu/hr/jobs/>, APPLICATION CLOSING DATE: April 16, 2012. Minimum Requirements: Master's degree in Science or Science Education. Description of Work:- Physics: Specific duties include teaching Introductory Physics with special emphasis on student-centered learning. This is a 10 month temporary part-time 30 hour position with the possibility of becoming full time in 2014. How To Apply: Submit application/resume to: NCSSM Attn: Human Resources. P O Box 2418, Durham, NC 27715 Fax #: 919-416-2879. Equal Opportunity Employer.

Research Associate, Accelerator Scientist, CLASSE, Cornell University

The Cornell Laboratory for Accelerator ScienceS and Education (CLASSE) has an opening for a Research Associate on topics involving photoemission electron guns and high power electron injectors for Energy Recovery Linac (ERL) based x-ray sources. A PhD in Physics or Engineering is required with related experience in accelerator physics, controls and

feedback systems, and electron beam diagnostics. Submit applications <http://academicjobsonline.org/> (posting 1499). For information about the position, contact Dr. Bruce Dunham at bmd29@cornell.edu.

Astronomy's Discoveries and Physics Education, June 17-22, 2012, Colby College

"Astronomy's Discoveries and Physics Education" is the title of the 2012 Physics Research and Education Gordon Research Conference. At this GRC a distinguished group of speakers will review major discoveries and technologies of astronomy and astrophysics. They and members of the astronomy and physics education research communities will also explore and suggest ways to use this material to enrich and enhance undergraduate physics education. Who should participate? You... if you're interested in fostering the use of astronomy's discoveries to better teach physics to undergraduates. If this challenge attracts you - whether you are an active researcher in astronomy, astrophysics, or space science, or a research associate (postdoc), or an author of books that present physics in a strong astronomy context, or a developer of curricula and educational materials, or a graduate or undergraduate student, or a two-year or four-year college or university faculty member with an interest in physics and astronomy - apply to attend this Gordon Conference on "Astronomy's Discoveries and Physics Education." Applications for this meeting must be submitted by May 20, 2012. Please apply early, as some meetings become oversubscribed (full) before this deadline. Limited funding is available for minority faculty. Contact the co-chair, Charles Holbrow (CHOLBROW@MIT.EDU), for more information.

Executive Director – Fisk-Vanderbilt Masters-to-PhD Bridge Program

The Fisk-Vanderbilt Masters-to-PhD Bridge Program seeks a dynamic, leadership oriented individual to join the program in the role of Executive Director. The Bridge Program (see below) is led by two Co-Directors (one from Vanderbilt and one from Fisk) and advised by a faculty Steering Committee comprising eight faculty members from Vanderbilt and Fisk.

The Executive Director will assume the following responsibilities:

Lead the day-to-day operation of the Bridge Program, supervise two full-time Program Coordinators, one at Vanderbilt and one at Fisk, in the logistics, administration, and implementation of the Program, develop and oversee mechanisms for tracking individual student progress through the Program and for ensuring student success to the PhD, develop and oversee mechanisms for student ancillary support services, including tutoring and work-life balance, assist the Program co-directors in writing grants and in identifying other support for the program's students, faculty, and research infrastructure, lead the development and implementation of student mentoring strategies, including peer mentoring, lead student recruitment efforts, including travel to neighboring institutions and exhibit booths at national conferences, participate in presentations to and consultations with other major research universities that seek to learn from the Program, participate in scholarly publications about the Program in suitable journals and other venues, lead the tracking and annual reporting on the Program's portfolio of federally funded projects, assist in developing a regularly recurring professional development seminar series for students.

- Start date: July 1 (preferred), Aug 15 (latest)
- Minimum qualifications: PhD or equivalent in a science or engineering discipline. Experience with and engagement in diversity issues in science/engineering.
- Preferred additional qualifications: Ten years of post-PhD experience in a combination of scientific research, science administration, and student mentoring/advising. Ability to continue an independent scientific research program that includes graduate students. Significant experience with federal grants highly preferred.

Vanderbilt Human Resources link for submitting applications (**application due April 2**) <http://www.vanderbilt.edu/work-at-vanderbilt> (job #1202132). Principal contact: Prof. Keivan Stassun, keivan.stassun@vanderbilt.edu.

**Fisk-Vanderbilt
Masters-to-PhD Bridge Program**