



The Hispanic Physicist

The Newsletter of the National Society of Hispanic Physicists

Year 20

February 25, 2016



Mario Diaz and Guillermo Valdés coauthors of the famous Physical Review Letter.

Mario Diaz's CGWA co-discovers the first gravity wave

Mario Diaz founded the [Center for Gravitational Wave Astronomy](#) at The University of Texas Rio Grande Valley in 2003 and, after 13 years of hard work they helped to detect the first gravity wave. The CGWA is the largest group of gravitational-wave researchers in Texas and is part of the LIGO Scientific Collaboration global research effort. Its scientists and student researchers are key contributors to the first direct detection of gravitational waves; more than 20 authors on the detection paper to be published by Physical Review Letters are current or past members of the CGWA.

"This is a major scientific triumph and testimony to the persistence and courage of scientists who never gave up," said Dr. Mario Diaz, CGWA director. "Never before in the history of modern physics has a predicted phenomenon been so elusive and taken so long to be

observed experimentally. It is also a tribute to the scientific vision of The University of Texas that has supported the CGWA for all these years."

NSHP salutes Mario Diaz and his team!

NSHP celebrates 20th anniversary in Sacramento

NSHP is celebrating 20 years of existence throughout 2016. Celebrations will start with a special reception to be hosted by AAPT at their Summer meeting in Sacramento on July 16 - 20, www.aapt.org/Conferences/sm2016/. Please join us this summer as we continue our year of celebration. (NSHP members who are not AAPT members may attend the meeting at the reduced AAPT member price). Other celebrations will take place at:



- USA Science & Engineering Festival, Washington DC, April 16-17.
- Reception at the APS March meeting, Baltimore, March 16, see below.
- Reception at the APS April Meeting, Salt Lake City, April.
- SACNAS 2016, Long Beach, October 13-15.



NSHP Meetup at the APS March Meeting

Attending the APS March Meeting? Make sure to stop at our NSHP meetup Wednesday, March 16, 5:45-6:45p at the Hilton Baltimore Johnson B. Also of interest are the NSBP meetup (Wednesday, March 16, 5:00 - 6:00p, Hilton Baltimore Johnson A) and the APS Diversity



Reception (Wednesday, March 16, 7-8:30, Hilton Baltimore, Peale ABC Room). The Hilton Baltimore is at 401 W. Pratt Street, Baltimore, MD 21201. Contact: Arlene Modeste Knowles, Diversity Programs Administrator, APS, 301-209-3232, knowles@aps.org. **We hope to see you there!**



2016 Spring Getting You Into IU Faculty Nominations

It is my pleasure to invite you to spread the word about Getting You into Indiana University (GU2IU), a campus recruitment program for prospective underrepresented and minority students interested in pursuing a Ph.D. or M.F.A. at Indiana University (IUB) Bloomington. The three-day event will be conducted on the IUB campus and begins Sunday April 10, 2016 and ends on Tuesday, April 12, 2016. This is an all-expense paid trip for selected highly qualified applicants including air fare, lodging, and meals. Participants will learn more about IU's Ph.D. and M.F.A. programs, research opportunities and funding options. Additionally, participants will meet with faculty, staff and current graduate students, explore campus cultural centers, and take a campus tour.

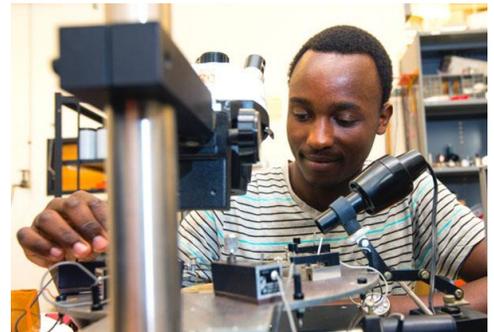
Our goal is to recruit the best and brightest to IU programs. Our target is 30 students to attend our recruitment event for spring 2016. GU2IU program participants must be U.S. citizens or permanent residents and juniors, seniors, master's level students in good academic standing; or, degreed professionals interested in pursuing a PhD or MFA at Indiana University Bloomington.

The application deadline is March 7, 2016. Contact Rebecca Winkle at agep@indiana.edu.



2016 Nebraska Summer Research Program at the University of Nebraska–Lincoln.

The program offers students an excellent opportunity to hone research skills and to experience life as a graduate student. Students will enhance their academic resume, work closely with faculty and peers, and have fun with social and professional development activities, all while receiving [numerous benefits](#). **Students historically underrepresented in graduate education are especially encouraged to apply.** Due to funding restrictions, participation is limited to U.S. citizens or Permanent Residents (those holding a green card.) All programs for 2016 are listed at unl.edu/summerprogram and include projects in Biochemistry, Plant Science/Pathology, Biomedical Engineering, Chemistry, Civil Engineering, Computer Science, Electrical Engineering, Materials Science and Engineering, Microbiology, Mechanical Engineering, Nanoscience & Nanotechnology, Optics and Laser Physics, Psychology, Redox Biology, Sociology, and Virology.



Our online application makes it easy for students to apply for up to three different research groups. **Priority review of applications begins Monday, February 1 and all applications are due by Monday, March 1.**

Contact: Maggie Jobes, Assistant Director of Graduate Recruitment Office of Graduate Studies, University of Nebraska–Lincoln, graduate@unl.edu



SFB 676 Fellowships – 2016

The Collaborative Research Centre SFB 676 „Particles, Strings, and the Early Universe: The Structure of Matter and Space-Time“ is offering a number of research fellowships for researchers at any stage of their career. Successful candidates will be expected to participate in the scientific activities of the SFB and to collaborate with its members.

The fellowships will be awarded on a competitive basis for a period of 2-6 months each. Preference will be given to applicants, who collaborate with more than one SFB project. Applications for shorter or longer periods may be considered only in exceptional cases. The rates of support for the duration of the fellowship will be set at the following levels: Post-Docs € 2.200 per month; Associate Professors € 2.300 per month; Full Professors € 3.000 per month. Applications (use attached template and include CV & list of publications) should be sent to the board of the SFB 676 by email: [sfb676\(AT\)desy.de](mailto:sfb676(AT)desy.de)

Younger applicants are encouraged to arrange for two letters of recommendation to either accompany the application or to be sent separately to the above address. An important aspect of the scheme is to encourage women to do research in this field. Qualified women candidates are therefore particularly invited to apply. There is no explicit deadline, but for the next round of fellowships in 2016 applications should preferably arrive before March 7th, 2016. Information about the SFB 676 and its activities can be found on the webpage: <http://www.exp.desy.de/sfb676/>



POSTDOCTORAL ASSOCIATE, MIT, Laboratory for Nuclear Science - Hadronics Physics Group

The Hadronics Physics Group at MIT is looking for an excellent POSTDOCTORAL ASSOCIATE to join an ongoing research program studying short-range correlations in nuclei using hard reactions. The research program is carried out mainly at the Thomas Jefferson National Laboratory (JLAB), with future activities planned for the MicroBooNE experiment at Fermilab and new proton accelerators in Europe, Japan, and/or China. The group has an active and diverse research program involving detector R&D; analysis of existing data from recent experiments; execution of approved experiments in the upgrade Halls A, B, and C of Jefferson Lab; Phenomenology; and development of new experiments.

Job Requirements: a recent Ph.D. in nuclear or particle physics. Exceptional candidates with Ph.D.s in other areas and an interest in medium-energy nuclear physics are encouraged to apply.

please submit a CV, cover letter, and three letters of recommendation to: henMITPostdocSearch@gmail.com or to Or Hen, MIT Bldg. 26-445, 77 Massachusetts Avenue, Cambridge, MA 02139. Application deadline: March 1, 2016. Contact: Or Hen, hen@mit.edu, Letters of Reference should be sent to: henMITPostdocSearch@gmail.com.

The Hispanic Physicist. Published whenever there is news and the Editor has enough time. Send news, letters, congratulations, etc. to Jorge A. Lopez, jorgelopez@utep.edu. <http://www.hispanicphysicists.org/>.