From: Juan Burciaga  juan.burciaga@coloradocollege.edu
Subject: 
Date: January 21, 2016 at 10:04 PM
To: 

**The Hispanic Physicist**

*The Newsletter of the National Society of Hispanic Physicists*

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**Year 18**

**March 3, 2015**

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**NSHP-NSBP Meet up at the APS March Meeting**

NSHP invites everybody to a NSHP-NSBP Reception to be held as Session R50 during the APS April meeting in San Antonio this coming Wednesday March 4 from 6:00 PM to 7:00 PM at the Grand Hyatt Rooms Travis B & Travis C

See you there!

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**This month in Hispanic Physicists: Jonathan Diaz Leon, in search of dark matter**

In 2012 Jonathan Diaz Leon was a Ph.D. physics student at the University of Washington, and was involved in research in the area of dark matter. Jonathan has performed research as part of the Center for Experimental Nuclear Physics and Astrophysics of the University of Washington Seattle; in 2011 his study of the effect of the Fukushima radiation on the Seattle area attracted public attention. In an 8 min Spanish language interview Jonathan talks about his origins and describes his exciting area of research. In the 2 min English language radio capsule Jonathan describes the state of the field back on 2012.

[http://www.visual-physics.org/Hispanic-Physicists/HP.html](http://www.visual-physics.org/Hispanic-Physicists/HP.html)

Send this information to your favorite high school physics teacher!

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**Bridge-builder to Hispanic Community Wins Bouchet Award**

By Michael Lucibella
This year, Jorge Lopez of the University of Texas at El Paso received the APS Edward A. Bouchet Award. The award honors the work of underrepresented minorities in physics by identifying and recognizing a distinguished minority physicist who has made significant contributions to the field of physics. Lopez will receive a stipend of $3,500 plus travel support to attend an APS meeting to deliver a presentation about his work. Lopez has been a long-time nuclear physics researcher and has pioneered work in heavy-ion collision dynamics and nuclear fragmentation. In addition, he has worked tirelessly to build bridges to Latin America and connect with the Hispanic community in general.

Read complete article in APS News: [http://www.aps.org/publications/apsnews/201502/bouchet.cfm#VOTc4JKf_So](http://www.aps.org/publications/apsnews/201502/bouchet.cfm#VOTc4JKf_So)

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The North Carolina School of Science and Mathematics - full-time physics instructor

The North Carolina School of Science and Mathematics (NCSSM) has an opening for a full-time physics instructor beginning in August 2015. To Apply submit electronic application via: [http://www.oshr.nc.gov/](http://www.oshr.nc.gov/). Please create an account, search for "Instructor of Physics" vacancy, and complete/submit online application. This recruitment is for two Instructor of Physics positions. CLOSING DATE: March 19, 2015 5pm

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The Department of Physics & Astronomy at the University of Texas at Brownsville invites applications for Research Experiences for Undergraduates (REU) for the summers of 2015 and 2016. The program provides undergraduate students with opportunities to engage in hands-on research experiences. Students can choose a research experience from the areas of astrophysics, biophysics, gravitational wave detection, lasers and photonics, nuclear science and advanced materials, or radio, optical, astronomy and applied physics. Participants will receive a stipend of $5,000, travel support up to $600, and room and board.

**Overview**

Students can choose a research experience from the areas of astrophysics, biophysics, gravitational wave detection, lasers and photonics, nuclear science and advanced materials, or radio, optical, astronomy and applied physics. Participants will receive a stipend of $5,000, travel support up to $600, and room and board.

**When**

- **Students:** May 31 - August 7, 2015
- **Teachers:** June 9 - August 14, 2015

**Where**

The University of Texas at Brownsville. Some of the projects will also require that work be carried out at the Laser Interferometer Gravitational wave Observatory (LIGO) in Hanford, Washington.

**Application**

For students:
[The University of Texas at Brownsville Physics and Astronomy REU Application](http://www.phys.utb.edu/REUsite/)

For High School Teachers:
[The University of Texas at Brownsville Physics and Astronomy RET Application](http://www.phys.utb.edu/REUsite/)

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Department of Physics - UC San Diego - Project Scientist

The Department of Physics within the Division of Physical Sciences at UCSD ([http://www-physics.ucsd.edu/](http://www-physics.ucsd.edu/)) is committed to academic excellence and diversity within the faculty, staff and student body, and invites applications from qualified individuals for an Assistant or Associate Project Scientist. The UCSD High-Energy Physics group is looking to expand its software & computing staff by hiring a Software Developer and Systems...
expand its software & computing staff by hiring a Software Developer and Systems Integrator to work within the context of the CMS experiment. A successful candidate will have a Ph.D. in Physics, Computer Engineering, or related fields, and at least 3 years of experience with C/C++ and Python development in a Linux environment. Significant experience with Git revision control system is required. Experience with ROOT in general, and CMSSW in particular is highly desirable. Broad and deep experience with the CMS reconstruction software is strongly preferred. The candidate is expected to be an excellent team player with ability to work independently. Salary, title and rank are commensurate with qualifications and based on University of California pay scales.

Interested candidates should submit online at [https://apol-recruit.ucsd.edu/apply/JPF00760](https://apol-recruit.ucsd.edu/apply/JPF00760) a curriculum vitae, sample source code of software you developed, a one page description of software projects you have worked on, list of publications and a statement of past and/or potential contributions to and leadership in promoting diversity, equity and inclusion (see [http://facultyexcellence.ucsd.edu/c2d/index.html](http://facultyexcellence.ucsd.edu/c2d/index.html). Applicants must list contact information for three persons for references regarding research and developed software. Referrers will be contacted by the application system to submit their reference letter. Prompt response is recommended. Review of applications will commence on March 27, 2015 and continue until the position is filled.

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**Assistant Professor (Mathematical Physics) - Department of Mathematics and Physics - SIU Carbondale**

Full-time, Assistant Professor position in the Departments of Mathematics and Physics commencing on August 16, 2015. This is a continuing, Tenure-Track appointment. We are seeking a faculty member to hold a joint appointment in the Mathematics and Physics Departments with the primary department and tenure home reflecting the candidate's academic background/experience. Startup funds will be available. The successful candidate is expected to pursue a vigorous research program, publish in professional journals, seek external funding, and teach and develop undergraduate and graduate courses.

**Qualifications:** Applicants must hold a Ph.D. in Physics or Mathematics and have a record of scholarship, and teaching experience in mathematics or physics. Area of research must be in Mathematical Physics. Applicants with experience in algebraic methods (operator algebras, optimization and/or control) and/or quantum information/computation/control theory will be given preference as will applicants that can collaborate with one or more members from both departments so as to foster interdisciplinary research.

**Application Deadline:** We will begin reviewing applications on March 11, 2015, and continue until the position is filled.

**Application Procedure:** Applicants should send a letter of application, curriculum vitae, a research plan (not more than two pages), a statement of teaching philosophy (not more than one page), and the contact information, including emails, of three references (at least one should be able to comment on the candidate's teaching ability) to: Math/Phys Search committee, Department of Physics, Mail Code 4401, 1245 Lincoln Dr., Southern Illinois University Carbondale, Carbondale, IL 62901, or submit the materials electronically to spleasure@physics.siu.edu.

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**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/](http://www.hispanicphysicists.org/).