



# The Hispanic Physicist

The Newsletter of the National Society of Hispanic Physicists

Year 20

December 13, 2015



## NSHP Election

The easy times are gone! With the legal incorporation of NSHP we must now hold elections to select our representatives (membership fees will soon follow!). This time we are electing President, President

Elect, Treasurer, Secretary, Student Representative, Technical Officer and Education Officer. Please follow this link to see the candidate's bios and statements and to vote: <https://www.surveymonkey.com/r/FFDTQFS>. Voting will be open until December 31, 2015 at midnight, and results will be available shortly after January 2, 2016.

**Thanks for supporting NSHP!**



Applications being accepted for the 2016 Astronomy in Chile Educator Ambassadors Program

Are you a k-college educator, an amateur astronomer that does outreach, or do you work at a planetarium, science center, or other informal science venue? Are you interested in traveling to Chile to learn about astronomy and the major

U.S. observatories? Here's your chance!! Please share this email/link with others that you think might be interested, via email list serves, newsletters, Facebook Pages, other social media, etc.!! Astronomy in Chile Educator Ambassador's Program (ACEAP) - <http://www.aui.edu/news/applications-being-accepted-for-the-2016-astronomy-in-chile-educator-ambassadors-program/>



## Gender Summit 8 in Mexico

The American Association for the Advancement of Science (AAAS), with support and funding from the National Science Foundation, is currently seeking U.S. female faculty researchers in Science, Technology, Engineering and Mathematics (STEM), from Minority-Serving Institutions, who are interested in attending the Gender Summit 8 (GS8), in Mexico, on April 28-29, 2016. AAAS is releasing travel awards to US female faculty researchers to attend GS8, with the goal to create new international networks and initiate plans for future collaborations in STEM research, with counterparts abroad. If you are interested in creating and developing International Research networks, submit your application today at the following link: <http://www.aaas.org/news/call-applications-attend-gender-summit-8-mexico>. The deadline for submission is January 7, 2016 by 11:59 PM EDT.

# XII International Symposium on Radiation Physics

Benemérita Universidad Autónoma de Puebla  
Puebla, Pue., México, April 6-8, 2016

## Organizing Committee

Pedro Hugo Hernández (BUAP)  
Gerardo Martínez-Montes (BUAP)  
Jorge López (UTEP)  
Carlos Vázquez-López (CINVESTAV)  
Guillermo C. Espinosa (IFUNAM)

## Scientific topics

Radiation Physics, Radon  
Environmental Radiation  
Interaction Materials-Radiation  
Accelerators, Radiochemistry  
Instrumentation, Applications

## International Advisory Committee

Floyd McDaniel. UNT, USA  
Laszlo Sajo-Bohus. USB, Venezuela  
Luigi Tommasino. CNEA, Italy  
Sam Glover. NIOSH, USA

## Important Dates

Registration deadline:  
12/2/2016  
**Conference fee:**  
\$200 USD



Oficial web page: <http://www.smf.mx/~fr-smf/>

XII International Symposium on Radiation Physics, Benemérita Universidad Autónoma de Puebla, Puebla, Pue., México., April 6-8, 2016. Oficial web page: <http://www.smf.mx/~fr-smf/>. Contact: [Jorgelopez@utep.edu](mailto:Jorgelopez@utep.edu).



UNIVERSITY OF  
**LOUISVILLE**

The University of Louisville's Department of Physics and Astronomy announces a **tenure-track Assistant Professor** position that will be filled by an **African American, a Hispanic American, or a Native American Indian**. Deadline: January 8, 2016. To apply visit:

[https://hrprod.louisville.edu/psc/hrprod/EMPLOYEE/HRMS/c/HRS\\_HRAM.HRS\\_CE.GBL?bCDC=y&Page=HRS\\_CE\\_JOB\\_DTL&Action=A&SiteId=200&obOpeningId=32279&PostingSeq=2&](https://hrprod.louisville.edu/psc/hrprod/EMPLOYEE/HRMS/c/HRS_HRAM.HRS_CE.GBL?bCDC=y&Page=HRS_CE_JOB_DTL&Action=A&SiteId=200&obOpeningId=32279&PostingSeq=2&)

## Timely REU information for students

### 2016 HUGS International Fellowship for Graduate Students in Developing Countries

Deadline for application is January 15th, 2016, fellowship will fully support up to 2 graduate students from developing countries to participate in the 31st annual Hampton University Graduate Studies (HUGS) Program at Jefferson Lab, plus an additional stay of 1 or 2 weeks, depending on funding, to meet with Jefferson Lab

researchers and users, and to initiate or strengthen a research collaboration. To apply contact Prof. Alberto Accardi, School Director, at [accardi@jlab.org](mailto:accardi@jlab.org), Applications received by January 15th, 2016 will receive full consideration.

**The SETI Institute**, Astronomy and Planetary Science, undergraduate students in astronomy, biology, geology, chemistry, and physics, 10 weeks in the San Francisco Bay area, students receive a stipend, travel, and living expenses, applicants must be US citizens or permanent residents, deadline is February 1, 2016. For more information <http://www.seti.org/seti-educators/reu> or contact Jean Chiar [jchiar@seti.org](mailto:jchiar@seti.org), 650-810-0233.

**Oak Ridge National Laboratory**, Higher Education Research Experiences (HERE), Undergraduates, Post-BS and AAS, MS, and PhD – all majors, Stipend based on academic status, Travel/Housing assistance, Full-time and part-time appointments, Minimum GPA 2.5/4.0, U.S. Citizen or Legal Permanent Resident, more information: <http://www.orau.org/ornl>

**Oak Ridge National Laboratory**, Nuclear Engineering Science Laboratory Synthesis Programs, Undergraduates, MS, PhD, and Post-MS or Postdoctoral – Majors related to Nuclear Science and Nuclear Policy; Engineering; Physics; Nuclear Medicine, Stipend based on academic status, Travel/Housing assistance, Full-time and part-time appointments, Minimum GPA - 3.0/4.0, Open to U.S. and International Citizenship, more information: <http://www.orau.org/ornl>

**2016 HS-STEM Summer Internships**, U.S. Department of Homeland Security, 10-week summer internship program, students majoring in homeland security related science, technology, engineering and mathematics, open to undergraduate and graduate students in a broad spectrum of HS-STEM disciplines, \$6,000 stipend plus travel expenses, Graduate students receive a \$7,000 stipend plus travel expenses, research experiences are offered at various locations and in several areas of research, U.S. citizenship required, deadline: December 16, 2015, More information: <https://www.zintellect.com/Posting/Details/1468>

**Summer ORISE Fellowship**, The Centers for Disease Control and Prevention (CDC), National Center for Environmental Health (NCEH), Division of Laboratory Sciences (DLS), focus on public health issues related to the environment, stipend of \$2,700/ month for undergraduate student fellows and \$3,400 for full-time graduate student fellows, dates are May 25th – August 5th, 2016, majors in applied sciences, chemistry and biology majors are preferred, apply on-line at: <https://www.zintellect.com/Posting/details/1563#> , deadline is January 15, 2016.

**DHS Summer Research Team Program for Minority Serving Institutions**, program provides faculty and student research teams with the opportunity to conduct research at the university-based DHS Centers of Excellence, Faculty receive a \$1,200 weekly stipend, graduate students receive a \$700 weekly stipend, undergraduate students receive a \$600 weekly stipend, housing and travel allowances, 10-week research experiences are offered at university-based DHS Centers of Excellence (DHS Centers), U.S. citizenship required, deadline: December 20, applications: <https://www.zintellect.com/Posting/Details/1503>.

**Yale CRISP Research Experiences for Undergraduates**, current topics range from thin film growth and characterization to friction and manipulation at the atomic level with projects involving computation, simulation, fabrication, characterization and image processing. Materials systems included semiconductors, dielectrics, optical materials and bio-materials, Program Dates: June 6 – August 1, 2016, application deadline Feb 1, 2016. [www.theleadershipalliance.org/Programs/SummerResearch/HowtoApply/tabid/303/Default.aspx](http://www.theleadershipalliance.org/Programs/SummerResearch/HowtoApply/tabid/303/Default.aspx).

**The Blue Waters Student Internship Program**, faculty and students to participate in year-long student internship opportunities. Students in the program will gain experiences involving the application of high-performance computing to problems in science, mathematics or engineering. The program provides a student stipend for undergraduate participants totaling \$5000, a two-week intensive Petascale Institute in 2016, and, for a select number of interns who have excelled during the year, travel to the Blue Waters Symposium 2017. Faculty: we are looking for good projects and mentors, so see the information, especially if you also have a student in mind who could work with you on such a project if they had the appropriate training and support.

Make sure you indicate your preference for the student to work with you. More information: <http://computationalscience.org/bwsip>

**REU in Experimental and Computational Materials Research**, U Alabama Birmingham, May 15 to July 22, stipend for the 10-week period is \$5000 and housing will be provided to non-local participants, projects include electronic materials, nano-materials, lasers & optical materials, biosensors, biophysics & biomaterials and computer modeling. The scientific research projects are developed specifically for undergraduates by an interdisciplinary team consisting of science and engineering faculty at UAB, apply via web site: <https://www.uab.edu/cnmb/research-experiences-for-undergraduates>, deadline is April 1, 2016.

**ORNL Challenge Program for Undergraduates**, Oak Ridge National Laboratory (ORNL) wants to capture some of the best new minds entering scientific and engineering fields today, by using a unique competitive process. ORNL's two grand research Challenges for 2016 focus on "Simulation and Design of Artificial Model Magnets" and "Distributed Energy Research – Powering Microgrids." To apply for the ORNL Challenge Program, applicants must write a proposal that identifies possible solutions to one of these two research Challenges. If the student's proposal is chosen as one of the top choices, the applicant will be offered a summer 2016 internship at ORNL, to implement their research solution. A competitive stipend, housing, and professional development activities will be included as part of the internship. Applicants must be junior or senior undergraduate students, Find the full Challenge descriptions, the proposal template and the application link on our website: [www.orau.org/ornlchallenge](http://www.orau.org/ornlchallenge), deadline: January 15th, 2016.

**Summer Research Experience for Undergraduates at Northwestern University**, 9-week, paid summer research experience for undergraduates, research areas include ceramics, polymers, nanocomposites, photonics, nanoparticles, molecular electronics and biomaterials. Students currently pursuing an undergraduate degree in science or engineering who are US citizens or permanent residents are eligible. The program dates this year are June 20 to August 19, 2016; Applications are due Feb. 15, 2016. Participants are paid a \$4500 stipend, a travel allowance, and on-campus housing is provided. For more information, please visit our website: [http://www.mrsec.northwestern.edu/content/educational\\_programs/reu.htm](http://www.mrsec.northwestern.edu/content/educational_programs/reu.htm)

**Paid Summer 2016 Undergraduate Research Placements**: Over 800 programs -- NSF REU, NASA and other paid summer research opportunities for undergrads, <http://www.pathwaystoscience.org/undergrads.aspx>

**For Financial Support in Graduate School**: Fellowships and graduate programs in a wide variety of STEM disciplines: <http://www.pathwaystoscience.org/grad.aspx>

**For tips on applying and associated resources**: <http://www.pathwaystoscience.org/toolbox.aspx>

**For opportunities specifically in the Ocean Sciences**: <http://www.pathwaystoscience.org/oceanscience.aspx>

**For opportunities specifically in Engineering**: <http://www.pathwaystoscience.org/engineering.aspx>

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Please visit our Job Board (<http://www.hispanicphysicists.org/JobBoard.html>) for these and other opportunities

[University of California, Los Angeles](#)  
[Faculty Position in Theoretical High Energy Physics](#)

Review begins: December 7, 2015  
Deadline: January 15, 2016

[Lawrence Berkeley National Laboratory \(LBNL\)](#)  
[Divisional Fellow - 81568](#)  
[Organization: PH-Physics](#)

Submit by: December 8, 2015

[San Diego State U Tenure Track Faculty Position in Astronomy](#)

Deadline: December 15, 2015

[University of Cincinnati Assistant Professor](#)

Apply by: December 15, 2015

<a href="#">U.S. Department of Homeland Security (DHS) 2016 HS-STEM Summer Internships</a>	Deadline: December 16, 2015
<a href="#">U.S. Department of Homeland Security (DHS) 2016 Summer Research Team Program for Minority Serving Institutions</a>	Deadline: December 20, 2015
<a href="#">Fermilab Application Physicist I</a>	Closing date: December 31, 2015
<a href="#">Johns Hopkins University Condensed Matter Faculty Position</a>	Apply by: January 1, 2016
<a href="#">EASTERN MICHIGAN U ASSISTANT PROFESSOR of PHYSICS EXPERIMENTAL NANOMECHANICS/TRIBOLOGY</a>	Review begins: January 8, 2016
<a href="#">University of Louisville Tenure-track Assistant Professor</a>	Deadline: January 8, 2016
<b>BNL</b> - AGEP Postdoc – T Research Associate - Physics	Please email your CV and three professional references to Mr. Terrence Buck <a href="mailto:tbuck@bnl.gov">tbuck@bnl.gov</a> to be considered for this position.
<b>Lund Technical University</b> in Sweden, permanent position in theoretical nuclear structure at the associate professor level	<a href="https://lu.mynetworkglobal.com/en/what/job/jobID:58652/where:4/">https://lu.mynetworkglobal.com/en/what/job/jobID:58652/where:4/</a>
Postdoc position, Theoretical Nuclear Physics Division, <b>CCS, Tsukuba, Japan</b>	<a href="http://wwwnucl.ph.tsukuba.ac.jp/news/2015/12/09/442">http://wwwnucl.ph.tsukuba.ac.jp/news/2015/12/09/442</a>
Tenure-Track Assistant Professor of Physics, <b>Franklin College</b>	<a href="http://franklincollege.edu/about-fc/human-resources/employment-opportunities/">http://franklincollege.edu/about-fc/human-resources/employment-opportunities/</a>
Assistant/Associate/Full Professor (Tenured/Tenure-Track) (Subatomic Theory) Physics and Astronomy <b>Louisiana State University</b>	<a href="http://jobs.physicstoday.org/jobs/7603067/assistant-associate-full-professor-subatomic-theory">http://jobs.physicstoday.org/jobs/7603067/assistant-associate-full-professor-subatomic-theory</a>
Michigan State University (MSU) is seeking outstanding candidates for a faculty position in experimental nuclear science.	<a href="https://www.hr.msu.edu/documents/facacadhandbooks/NSCLFacPos.htm">https://www.hr.msu.edu/documents/facacadhandbooks/NSCLFacPos.htm</a>
<b>University of Texas at El Paso</b> , Assistant Professor – Experimental Condensed Matter Physics	To apply contact Tunna Baruah, <a href="mailto:CMPhysicsSearch@utep.edu">CMPhysicsSearch@utep.edu</a> .
Institute for Nuclear Sciences, UNAM, Mexico, tenure track position, assistant professor level.	<a href="http://www.nucleares.unam.mx/convocatorias/Convocatoria_EMATERIA_2015.jpg">http://www.nucleares.unam.mx/convocatorias/Convocatoria_EMATERIA_2015.jpg</a>
University of Maryland, tenure-track faculty position, Elementary Particle Theory, Assistant Professor.	<a href="https://ejobs.umd.edu/postings/38456">https://ejobs.umd.edu/postings/38456</a>
University of Massachusetts Amherst, postdoctoral research associate in theoretical particle physics, nuclear physics, and cosmology	<a href="https://umass.interviewexchange.com/jobofferdetails.jsp?sessionId=BA07CB4709895EC7491583A001D2D25D;jsessionid=3F448209B9329E8A58B685D8FF8C7F14?JOBID=65968&amp;CNTRNO=0&amp;TSTMP=1447786108439">https://umass.interviewexchange.com/jobofferdetails.jsp?sessionId=BA07CB4709895EC7491583A001D2D25D;jsessionid=3F448209B9329E8A58B685D8FF8C7F14?JOBID=65968&amp;CNTRNO=0&amp;TSTMP=1447786108439</a>

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