

The Hispanic Physicist

The Newsletter of the National Society of Hispanic Physicists



Year 17

December 5, 2012

Former NSHP President elected as Chair of APS' Forum on International Physics

Sergio Ulloa, 2006-2007 NSHP President, was elected Chair of the FIP. Ulloa is a professor of physics at Ohio University and an expert on condensed matter theory. As a definite plus for the position of FIP Chair, Ulloa has been a Visiting Scientist in institutions in Switzerland, Netherlands, Germany (as a von Humboldt Fellow), Canada, and in his native Mexico. Among other programs, FIP maintains a travel grant program for collaborations with Latin America.



¡Felicidades Sergio!

Article of NSHP Communication Officer highlighted in APS' Physics

<http://physics.aps.org/synopsis-for/10.1103/PhysRevC.86.055805>.

[Topological characterization of neutron star crusts](#)

C. O. Dorso, P. A. Giménez Molinelli, and J. A. López

Phys. Rev. C **86**, 055805 (2012), Published November 29, 2012



**Italian Delicacies Served Up
in a Neutron Star Crust**

Assistant or Associate Professor Position in Experimental Optics - University of Memphis

The Department of Physics at the University of Memphis invites applications for a tenure-track faculty position at the rank of Assistant or Associate Professor in Experimental Optics with emphasis in Photonic Materials or Biophotonics. Candidates must submit a cover letter, curriculum vitae, a publication list, statements of research and teaching plans, and contact details of at least three professional referees to <http://workforum.memphis.edu>. The appointment shall begin in August 2013. Screening of applications shall commence on December 15th, 2012, and may continue until the position is filled. For questions, please contact Prof. Sanjay R. Mishra, Chair of the Faculty Search Committee, Department of Physics, University of Memphis, Memphis, TN 38152, email: srmishra@memphis.edu.



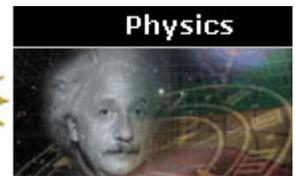
Chair, Department of Physics - The University of Memphis

Applications are invited for the position of Chair of the Department of Physics at The University of Memphis starting Fall 2013. Interested individuals should upload to <https://workforum.memphis.edu> (1) a letter of application that describes the applicant's vision for promoting research and education, (2) a detailed curriculum vita that includes the applicant's education, experience, scholarly activities, and related information, and (3) a list of three or more professional references. To learn about the department, go to www.memphis.edu/physics. For additional information about the position, contact the search committee chair, Dr. Omar Skalli, at oskalli@memphis.edu. Review of applications will begin on December 1 and may continue until the position is filled.



Director NSF Physics Division

The Division Director oversees the activities of the Physics Division, assesses the needs and trends in research and education related to the Division's programs, implements overall strategic planning, and sets policy. This position is very important for the future direction of the Physics Division. Further information can be found at the Division's web site: <http://www.nsf.gov/div/index.jsp?div=PHY>



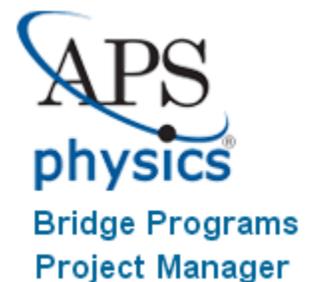
The Dear Colleague Letter announcing the position is located at the Physics Division's web site: http://www.nsf.gov/mps/phy/phy_dd_dcl_2012_2.pdf. The official posting is located at the USAJOBS web site: <https://www.usajobs.gov/GetJob/ViewDetails/327248200>.

The MPS contact for the selection process (commencing after the application process is closed) is Dr. Mark Suskin, Acting Deputy Assistant Director for the Mathematical and Physical Sciences Directorate (msus kin@nsf.gov).

Contact: Bradley D. Keister, Acting Deputy Director, Division of Physics, National Science Foundation

APS Bridge Programs Project Manager

The American Physical Society (APS) www.aps.org, the premier membership association for physicists, seeks a dynamic and personable science professional to fill the position of APS Bridge Program Project Manager based at APS Headquarters in College Park, MD (near DC Metro Green Line). The APS Bridge Project Manager will provide national leadership in developing, organizing, and implementing elements of the APS Bridge Program (APS-BP) that has a goal of increasing the number of underrepresented minorities receiving doctoral degrees in physics.



PhD in physics or related science discipline required; experience and compassion in dealing with issues faced by minorities in undergraduate and graduate education in physics; excellent inter-personal skills needed to effectively interact with physics education leaders; experience in developing and assessing education research questions is highly valued; able to read and synthesize overviews of relevant subject areas. Ability to travel is important. Excellent written and verbal communication skills are necessary.

To apply, send cover letter with salary requirement, resume and a list of your professional references to the attention of the Director of Human Resources via e-mail: personnel@aps.org or fax: 301-699-8144. EOE M/F/D/V

Workshop on Nuclear Dynamics and Thermodynamics to Honor professor Joe Natowitz, August 19-22, 2013

Prof. Joe Natowitz will officially retire in summer 2013. We will celebrate his distinguished career and outstanding accomplishments in many areas of nuclear chemistry and physics in form of a 4-day

International Workshop on Nuclear Dynamics and Thermodynamics, August 19-22, 2013, on the campus of Texas A&M University in College Station. We would like to invite you to attend. We will provide partial funding for the workshop. There will be no registration fee for the workshop, and we will cover all coffee breaks and the banquet for all registered participants. We also have some funds to cover the travel and/or local expenses for a few people who otherwise can't come. If you need some financial assistance, please let us know, and we will see how we can help. One of the purposes of this email is to gather information for us to better prepare for the workshop, please let us know at your earliest convenience if you plan to attend. If you would like to present a talk, then please let us know the tentative title. In January, 2013, we will send the Second Circular to those planning to come to the workshop with detailed information about the online registration and hotel reservation, etc. In the meantime, please check the workshop webpage IWNDT.tamu.edu for updates.

**International Workshop on
Nuclear Dynamics and
Thermodynamics
Texas A&M University
August 19-22, 2013**

Yale CRISP MRSEC REU fellowships

Yale CRISP MRSEC will once again be funding both residential and non-residential REU fellowships at Yale/SCSU for the summer of 2013. The deadline for applications is February 1, 2013. Please disseminate this information to students and other faculty. Application information can be found at: <http://www.crisp.yale.edu/index.php/Reu>. Here is the direct link to our informational flyer. Please print and post it for your students:

http://www.crisp.yale.edu/images/1/1f/Residential_REU-SURF_flyer_2013.pdf

Contact: Louise H. Grober, Education and Outreach Coordinator CRISP, louise.grober@yale.edu, (203) 392-8959



Faculty Position in Observational Astronomy - Rice University

The Department of Physics and Astronomy at Rice University invites applications for a tenure-track faculty position in observational astronomy with an emphasis on Origins science, which includes the formation of galaxies, stars, and planets.

This search seeks an outstanding individual whose research will complement and

extend existing activities in star and planet formation at Rice University (see <http://physics.rice.edu/>). Applicants should send a curriculum vitae, statements of research and teaching interests, a list of publications, and two or three selected reprints, in a single PDF file, to umbe@rice.edu with subject line "Astronomer Search" or to Prof. Hartigan, Chair, Astronomy Search Committee, Dept. of Physics and Astronomy – MS 61, Rice University, 6100 Main Street, Houston, TX 77005. Applicants should also arrange for at least three letters of recommendation to be sent by email or post. Applications will be accepted until the position is filled, but only those received by **January 15, 2013** will be assured full consideration. The appointment is expected to start in July 2013.



Summer Internships at Argonne National Laboratory

Application Deadline: 1 February 2013

Students MUST apply on line at: WWW.DEP.ANL.GOV,

Click: Undergraduate Programs → Summer 2013 (upper left of page)

Note: There are 2 programs. Students should apply for both!* see below!

#1: SULI – Student Undergraduate Laboratory Internship- The same application is used for several National Laboratories, BUT only the first one listed can see your application until it is rejected. So make Argonne #1 on your list. This is a DOE program coupled to Argonne and may provide some money to the lab to support interns.

#2: SRP- Student Research Participation. This is the original summer internship program at ANL and is over 60 years old. Students can indicate their interests by selections from the RESEARCH PARTICIPATION CATALOG (top left of web page)

Both programs operate in the same way during the internship: **(See attachment)**

Stipend- \$425/week + Housing and Travel. Housing is on-site.

Duration 10-11 weeks from late May to mid-August.

Selection made by the scientists with whom the student will work.

* It is hardly any more work than applying for one. To aid in getting selected, the applications should be cross-referenced, e.g. the letters of reference should be sent to SULI and the SRP application should indicate that the letters have been sent to SULI. Also, the SULI application essay should mention the "areas" selected on the SRP.

SEE ATTACHMENT FOR MORE DETAILS OR E-Mail questions to: Zeidman@ANL.GOV



Senior Nuclear Physics Faculty Position – Texas A&M Univ.

The Physics and Astronomy Department at Texas A&M University is seeking an accomplished experimental nuclear physicist to join the department under the auspices of the recently established Nuclear Solutions Institute. This institute combines basic and applied nuclear science with nuclear security technology and policy; it already encompasses a broad spectrum of faculty members drawn from across the university.



The successful candidate for this position will assume a tenure track or tenured position at the associate or full professor level in the Department of Physics and Astronomy, with a joint appointment in the Cyclotron Institute and the Nuclear Solutions Institute. He/she will be expected to lead a vigorous basic research program based at the Cyclotron Institute and employing the facilities there, which include two cyclotrons – a newly refurbished K150 and a superconducting K500 – together with a wide variety of modern experimental equipment. An upgrade project, now nearing completion, will utilize the two accelerators to make radioactive beams available to all target locations. Interested parties with a Ph.D. or equivalent in nuclear science or a related field should send a CV and a statement of research accomplishments via e-mail to seniorsearch@comp.tamu.edu. We also encourage informal enquiries, which can be addressed to the head of the search committee, John Hardy, at hardy@comp.tamu.edu or at +1 (979) 845-1411.

MS and PhD studies in Astrophysical Science and Technology at The Rochester Institute of Technology

The Rochester Institute of Technology MS/PhD program in Astrophysical Science and Technology (AST) invites applications from students interested in pursuing graduate studies with us.

The AST program offers the chance to work with experts in the fields of observational and theoretical astrophysics, detector design and testing, and computational relativity and gravitation, in a congenial, student-centered atmosphere. You can find detailed information about our program at: <http://www.rit.edu/cos/astrophysics/index.html>. The application deadline is 15 January, 2012. Questions can be sent to astroinfo@astro.rit.edu. Contact: Joel Kastner, RIT AST Program Admissions & Recruitment Committee Co-chair, (585) 475-7179, jhk@cis.rit.edu



Faculty Position in Physics Education Research School of Physics and Astronomy Rochester Institute of Technology

The School of Physics and Astronomy at the Rochester Institute of Technology invites applications for a tenure-track faculty position in the area of physics education research, to begin August 2013.

The position is expected to be at the rank of assistant professor; candidates with experience and qualifications consistent with appointment at a higher rank are also invited to apply. Candidates must have a Ph.D. in physics or a closely related field, postdoctoral (research or teaching) experience, the ability to teach courses at all levels of the undergraduate physics program, and a record of ongoing research and publication within physics education research. Applicants must be legally eligible to work in the United States beginning August 19, 2013.

Candidates must have a Ph.D. in physics or a closely related field, postdoctoral (research or teaching) experience, the ability to teach courses at all levels of the undergraduate physics program, and a record of ongoing research and publication within physics education research.

Applications must be submitted online at <http://careers.rit.edu/faculty> Search: 241BR. Email inquiries regarding the position should be sent to PhysSrch@rit.edu.



**2013 Research Experiences for Undergraduates - The
Department of Astronomy of Cornell University**



The Department of Astronomy of Cornell University is pleased to announce its 2013 Research Experiences for Undergraduates. We would appreciate it very much if you could post the attached poster in an area of high undergraduate traffic and forward it or otherwise distribute it as appropriate. Contact: Patricia Fernández de Castro, Ph.D., REU Program Coordinator, pf46@cornell.edu.

**Research/Internship Opportunity Detail Page
- University of Washington, Physics REU**



The Research Experiences for Undergraduates (REU) program of the National Science Foundation (NSF) provides opportunities for talented undergraduate students to participate in research projects during a 10-week period each summer. The University of Washington REU Physics site was established in 1995, and has been co-hosted annually by the Department of Physics and the Department of Energy's National Institute for Nuclear Theory. The program directors are Subhadeep Gupta and Alejandro Garcia.

The REU Physics program at the University of Washington differs from some others in that it covers most sub fields of physics. All of the major groups in the department are participating: astrophysics, cosmology, atomic physics, condensed matter physics, nuclear physics, particle physics, physics education and computational physics. Our Department of Physics is famous for "table-top" experiments that push the bounds of precision. We also have vigorous theory groups, including the Institute for Nuclear Theory, which brings large numbers of visiting faculty to the UW year around.

Stipend: \$4,500 for 10-week program, Benefits: Housing, Meal Plan, Travel Reimbursement up to \$500

Application Deadline: 02/28/2013

Job Website: <http://www.int.washington.edu/REU>

Contact Information: uwreu@phys.washington.edu, Phone: 206-685-3360, Fax: 206-685-3730

**Director of Education and Outreach at
The University of Texas at Brownsville**



The University of Texas at Brownsville (UTB) invites applications for the position of Director of Education and Outreach for the Center for Gravitational-Wave Astronomy (CGWA). Preference will be given to candidates who have previous experience with education and public outreach programs in physics or astronomy, and who have previously interacted with the K-12 science teacher community. Excellent oral and written communication skills are indispensable. This is a faculty (non-tenured) rank appointment with a competitive 9-month salary and summer support for the first year. A PhD in Astronomy, Physics, Science or a closely related field is required.

Applicants should send a curriculum vitae and a statement of education and outreach interests to Human Resources, University of Texas at Brownsville, 80 Fort Brown, Brownsville, TX 78520, with an electronic copy sent to Dr. Joe Romano, Chair of the Search Committee (joe@phys.utb.edu). The applicant should also arrange for at least three letters of recommendation to be sent to Joe Romano. (The successful candidate will subsequently need to send a copy of his/her terminal degree transcripts to Human Resources.)

Review of applications will start on Feb 1st 2013. Applications will continue to be accepted until a suitable candidate is hired. For additional information visit <http://www.phys.utb.edu>.

Planetary Science Graduate Program Clearinghouse

Do you advise undergraduates on where to apply to grad school?

Are they aware of the broad opportunities in Planetary Science?

We have assembled a listing of 68 institutions offering graduate degrees with opportunities in planetary science: <http://dps.aas.org/education/graduate-schools>. Please send this link to students you mentor, and mailing lists of majors. Application deadlines are imminent, so please help get the word out!

Contact: Dave Klassen, Brian Jackson & Nick Schneider, Division for Planetary Sciences, AAS, dpsed@aaas.edu.



The Medical Physics program at San Diego State University accepting applications for Fall 2013

Our graduate program in medical physics has been **accredited by CAMPEP** since January 2010.

Application forms for the program are available online at

http://arweb.sdsu.edu/es/admissions/grad/programs/med_physics.html (please note deadlines posted at this site) and all supporting documents must be submitted to the Program Coordinator, Marcia Queen (mqueen@mail.sdsu.edu).



SAN DIEGO STATE
UNIVERSITY

Faculty Position in Astrophysical Dynamics - University of California, Los Angeles

UCLA Physics
& Astronomy

The Department of Physics and Astronomy at UCLA invites applications for a tenure-track ladder faculty appointment in the area of astrophysical dynamics, including applications to stellar systems, exoplanets and solar system bodies, with an anticipated start date of July 1, 2013. The Department is seeking outstanding candidates, preferably with a theoretical research interest and a commitment to excellence in teaching. A junior-level appointment is anticipated, but a senior-level appointment may be considered. The successful applicant will have the opportunity to capitalize on the broad astronomy and planetary science programs at UCLA, and on the resources of the University of California Observatories. These resources include the Lick Observatory telescopes on Mt. Hamilton, the two 10-meter Keck telescopes, and the future thirty-meter telescope.

Candidates should submit their curriculum vitae, statement of research interests, and publication list, and arrange to have three letters of recommendation sent as soon as possible and no later than the **deadline of March 15, 2013** for full consideration. The position will remain open until filled. Inclusion of the candidate's ResearcherID at the top of the publication list is encouraged. Refer to Tracking # 1000-1213-01 on all correspondence.

Applications should be sent to: ASTROD@physics.ucla.edu.

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/>.