

The Hispanic Physicist

The Newsletter of the National Society of Hispanic Physicists

Year 17

Apr. 17, 2014

Carl Storm Underrepresented Minority Fellowship

CSURM program was established by the GRC Board of Trustees to honor Director Emeritus Carl Storm's many years of service to GRC and to support his commitment to increasing diversity at the Conferences. This Fellowship Program provides an opportunity for URM graduate students, post docs, faculty and scientists to receive funding assistance to attend their first GRC. To be eligible, applicants must meet all of the following eligibility criteria:

- Graduate student, post doc, faculty or research scientist
- Hispanic or Latino, American Indian or Alaska Native, Black or African American, Native Hawaiian or Other Pacific Islander. *Click here for definitions of these groups.*
- U.S. Citizen or permanent resident with a "Green Card"
- Currently working at a U.S. institution
- Is attending a GRC for the first time

To apply for the CSURM Fellowship, an applicant must first [submit an online application](#) to the GRC they wish to attend. Once the conference application is received, an acknowledgement will be sent that contains a link to the CSURM Fellowship application. Applicants who meet the above criteria are encouraged to apply for the Fellowship early. Support is limited and available on a first come-first served basis. For more information about the CSURM Fellowship program, please contact [Brenda Figueroa](#).

Program Director in the Experiment Nuclear Physics program at NSF

The Physics Division at the National Science Foundation is seeking applicants for the position of Program Director in the Experiment Nuclear Physics program. Reference to the posting is given on the NSF Mathematical & Physical Sciences Directorate webpage at the URL

http://www.nsf.gov/publications/vacancy.jsp?org=MPS&nsf_org=MPS.

Details about the program, and all programs in the Physics Division are given on the PHY page as well at <http://www.nsf.gov/mps/phy/about.jsp>.

Thank you. Kimberly D. Humphries, Operations Specialist, Division of Physics, Rm. 1015. 4201 Wilson Blvd., Arlington, VA 22230, (703) 292-9078 (fax).

Physics Rotator at the Division of Undergraduate Education at NSF

The Division of Undergraduate Education at the National Science Foundation is seeking candidates for a physics rotator (Intergovernmental Personnel Act) position. The rotator appointments are typically for two years with the expectation that the candidate will return to his or her home institution at the end of that period. The ideal candidate for the physics rotator position has broad knowledge and experience with physics, physics research, and physics education and is able to work well in an interdisciplinary environment such as the Division of Undergraduate Education. The candidate should also be familiar with current trends in physics, physics education, and STEM education generally. Candidates should submit a letter of interest and a curriculum vitae electronically to Dr. Susan Singer, Director, Division of Undergraduate Education (srsinger@nsf.gov) before April 21. Details about IPA appointments can be found at <http://www.nsf.gov/careers/rotator/ipa.jsp>.



You could be awarded \$60,000 for research in a STEM field.

L'Oréal's For Women in Science program has recognized more than 2,000 women scientists in over 100 countries since the program began in 1998. We're looking for five exceptional female scientists in the United States to be role models for the next generation and to help encourage girls to pursue careers in science. Candidates must have completed their PhD and have started postdoctoral research by September 1, 2014. Must be a US citizen or permanent resident to apply. **Applications due May 19, 2014.** More information and application at LOrealUSA.com/forwomeninscience.

The L'Oréal USA For Women In Science fellowship program will award five post-doctoral women scientists in the United States this year with grants of up to \$60,000 each. Applicants are welcome from a variety of fields, including the life and physical/material sciences, technology (including computer science), engineering, and mathematics. **Applications are available now at <https://lorealfwis.aas.org/login/indexA.cfm> and are due on Monday, May 19, 2014.**

Faculty Position—Lecturer, Rochester Institute of Technology

The Rochester Institute of Technology School of Physics and Astronomy invites applications for one or more faculty positions at the rank of Lecturer. The Lecturer position is a 9.5 month, non-tenure track appointment that begins August 13, 2014 and may have the possibility of renewal.

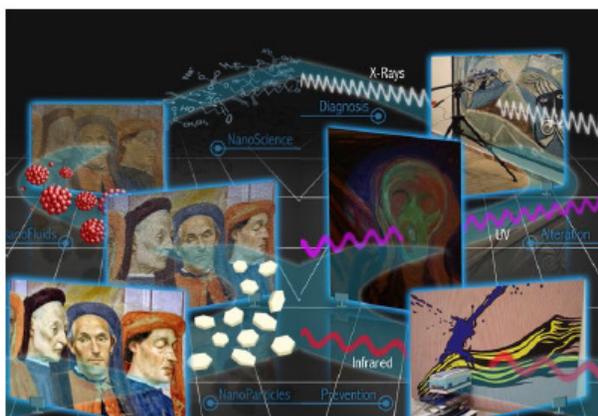
The primary responsibility of the position is teaching introductory physics in an activity-based, workshop format. The minimum qualifications are a PhD in physics or a closely related discipline, recent experience teaching introductory physics, potential to succeed in a workshop-style classroom, and strong communication skills. Candidates must be capable of teaching all levels of experimental physics courses typically found in strong undergraduate BS-Physics programs including advanced junior-level labs and electronics. Candidates must also be legally eligible to work in the United States beginning August 13, 2014 and continuing through the duration of the appointment. Familiarity with current trends in undergraduate physics education and research interests compatible with the School's current research activities are desirable. Opportunities for summer teaching may be available.

Application materials must be submitted electronically starting at <http://careers.rit.edu/faculty>; select "Search Openings" and enter 1007BR in the "Keyword" field. Candidates must upload their cover letter and curriculum vita as two separate documents; all remaining documents can then be submitted as a single file. A complete application would include a cover letter that addresses the listed qualifications, especially the requirement that the applicant be capable of teaching advanced undergraduate physics labs, as well as a statement about the applicant's ability to contribute in meaningful ways to RIT's continuing commitment to cultural diversity, pluralism, and individual differences (please refer to the [Contribution to Diversity Statement: A guide for RIT candidates](#)). A complete application also includes a CV that clearly describes recent teaching experience, a statement of teaching philosophy, any evidence of teaching effectiveness, including potential to be effective in an interactive learning classroom, and a list of three current professional references. Candidates must arrange to have the three professional references send letters of support directly to careers@rit.edu; the references need to include "1007BR" in the subject line of their letter. To receive full consideration, all application materials should be received by May 1, 2014. The School of Physics and Astronomy web page is located at <http://www.rit.edu/cos/physics/>.

GR *Gordon Research Conferences*
Scientific Methods in Cultural Heritage Research
– **Challenges and Complexity in Characterization and Conservation** –
Chairs: Francesca Casadio (fcasadio@artic.edu), Philippe Walter

July 27 – August 1, 2014
Sunday River Resort,
Newry, Maine

<http://http://www.grc.org/programs>



SESSIONS

- Scientific studies of ancient and historic production: putting cultural heritage research in context
- The Problem of Condition: diagnosis and treatment
- Modes of alteration and prevention
- Advanced analytical methods of promise
- Bio-deterioration
- 3D Transport phenomena
- Collagen-based materials: Characterization and Preservation
- Surface Phenomena
- Scientific research for Modern Art: current needs and future outlook

Registration open for first PhysTEC online course for future physics teachers

PhysTEC is excited to announce that registration is now open for the first PhysTEC online course for future physics teachers. Interested students are encouraged to register now; class size is limited to 20 students. Registration is currently restricted to future physics teachers at PhysTEC Member Institutions. The course, <http://www.phystec.org/courses/docs/PhysTEC-Online-Modeling-Course-Description.pdf> will be offered by the <http://modelinginstruction.org/> (AMTA) and is an inquiry approach to high school physics teaching that incorporates computer technology and insights from physics education research. Emphasis is placed on basic models and modeling in mechanics, developing skills in scientific discourse, and presentation and assessment of student learning.

Registration: The registration fee is \$75 to pre-service teachers at PhysTEC Member Institutions. To register go to <http://www.phystec.org/courses/register.cfm>.

Prerequisites: 2 semesters of college physics

Class Schedule: Wednesdays 7-10 pm ET; 6-9 pm CT; 5-8 pm MT; 4-7 pm PT. August 27, 2014 - December 10, 2014. No class November 26. Final Exam will be during class period on December 10.

Credit Options: A certificate of completion will be provided. It may be possible to arrange for students to receive credit at your institution through an independent study course or other option. For an additional fee course credit may be received through Arizona State University, details will be updated at <http://www.phystec.org/courses/>.

AAPT looking for Hispanic Physicists with industrial/private sector experience

I am currently working with the AAPT to identify someone from either the Hispanic community, or currently in an HSI that has some relatively recent industrial / private sector experience. We are assembling a joint task force on undergraduate physics programs, and would like to create a diverse group. This is a fairly high level group that we hope will ultimately produce a report on par with the SPIN-UP report, but as guidance for physics departments who are trying to prepare their students for the next generation of careers. If you know of a name, please forward it to me, along with why you think this person might be suitable.

Thanks for your help with this important question.

Theodore Hodapp, Ph. D., Director of Education and Diversity
American Physical Society, Email: hodapp@aps.org, One Physics Ellipse Phone: 301-209-3263, College Park, MD 20740 FAX: 301-209-3653

U.S. Department of Energy Carlsbad Field Office (CBFO) Fellowship Program

Now Accepting Applications for current BS, MS or PhD students and recent graduates (within the last 5 years) in Computer Engineering, Electrical Engineering, Computer Science, Information/Systems Technology, Cyber/Computer Security or related technology/engineering degrees.

Application closes Wednesday, April 23, 2014, midnight EDT – visit <http://orise.orau.gov/cbfo/applicants/applicants.html> to get started NOW!



Travel Fellowships for XXIII IUCr Congress, Montreal, Canada, August 5-12, 2014

The U.S. National Committee for Crystallography (USNC/Cr) is providing partial travel support for the International Union of Crystallography (IUCr) Congress in Montreal, Canada <http://www.iucr2014.org/> to undergraduate students, graduate students, post-doctoral fellows, untenured faculty, and other recent graduates employed in any of the crystallographic, diffraction, and imaging sciences affiliated with the IUCr. Applicants must be studying or working at a U.S. institution. Applications from underrepresented minorities are especially welcome. Recipients are required to attend most of the meeting, a Mentoring Dinner, possible networking events sponsored by the USNC/Cr, and submit a short report after the meeting(*).

An application should include the following:

- Cover page indicating name, academic program, graduation year (if applicable), and contact info. for the applicant and academic advisor;
- A current Curriculum Vitae;
- Abstract including title and authors, with applicant as presenter, submitted for presentation at the 2014 IUCr Congress or to be submitted if fellowship is awarded;
- A paragraph by the applicant describing where they are in their career and why they want to attend the Montreal meeting;
- Under separate cover: A letter of recommendation from the academic advisor detailing the group's travel funding and explaining why funds from the USNC/Cr are needed;
- Applicant must process the appropriate entry visa to Canada (3 months in advance).

The award will not exceed \$1,500. (*) By accepting this award, the awardee agrees to complete a short questionnaire within 2 months of the end of the meeting.

This award is possible through the generous support provided by the National Science Foundation.

Application Deadline: April 10, 2014

Send applications to:

Amy Sarjeant
Department of Chemistry
Northwestern University
2145 Sheridan Rd. Evanston IL 60202

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/>.