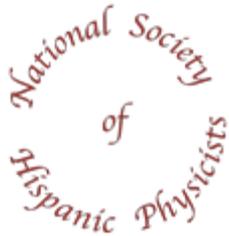


The Hispanic Physicist

The Newsletter of the National Society of Hispanic Physicists

Year 17

April 2, 2013



NSHP Day of Physics at SACNAS National Conference, Wednesday, October 2, 2013

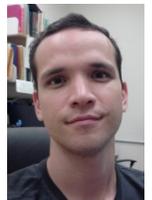
The National Society of Hispanic Physicists, the Society for the Advancement of Chicanos and Native Americans (SACNAS), and the University of Texas at San Antonio are organizing a workshop for physics students who will be attending the 2013 National SACNAS Conference, October 3-6, in San Antonio, Texas. The Workshop, to be held at the University of Texas at San Antonio, will last from 2:30 to 6:30 on October 2, the Wednesday before the Conference officially begins. Buses will leave from one of the conference hotels at 2:00. The workshop is being organized by Miguel Yacaman, University of Texas San Antonio; Jesus Pando, DePaul University; and David Ernst, Vanderbilt and Fisk Universities. It will include seminars on leading edge research in astrophysics, materials science, nuclear physics, medical physics, and particle physics. In addition, there will be professional development workshops on how to get the most out of the the SACNAS national conference, how to succeed with the physics GRE test, and how to succeed as a undergraduate/graduate student. The workshop will also include tours of the research labs at UT- San Antonio and at the Southwest Research Institute. All students and faculty interested in physics are invited to attend.

When you register, please look for the pull down and register for the Day of Physics, it is free. Notice that attendance requires you to arrive at the conference hotel before 2:00 pm on Wednesday, October 2. NSHP has money from the NSF for support of student attendance by students in physics, astronomy, and related fields. Some priority will be given to students who will be attending Physics Day and to students who will be presenting posters or oral presentations. **The deadline for applying for travel scholarships is 5:00 pm, April 3**, so apply now. Go to www.sacnas.org and log into your account. NSHP is very grateful for the support of U San Antonio, SACNAS, and the NSF.

Timothy Sanchez receives award for research in biological research

Tim Sanchez received the **APS Division of Biological Physics's** Award for Outstanding Doctoral Thesis Research in Biological Physics. His Ph.D. thesis, "Self-Organization in Active Cytoskeletal Mixtures: Cilia-like Beating of Microtubule Bundles and Spontaneous Bulk Mixing", was done at Bradeis University in 2012 under the supervisin of Dr. Zvonimir Dogic. Tim will receive \$1,500, a certificate, and \$500 travel allowance to present his work.

Congratulations Tim!



SACNAS Summer Leadership Institute

The SACNAS Summer Leadership will be held July 22-26, 2013 at Stanford University.

Application Deadline: April 5, 2013. Developed in collaboration with the American Association for the Advancement of Science (AAAS), the institute is an intensive five-

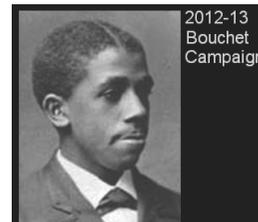
day course featuring small group exercises, keynote speakers, focused mentor interactions, networking opportunities, extensive community-building, the development of a leadership development plan (LDP), along with both prepatory and postinstitute assessments and assignments. **Eligibility:** Must be a SACNAS member at the time of application, Doctorate degree required, STEM field preferred, Postdocs and professionals in academia, industry, government, and nonprofits are invited to apply, Updated current CV. **For additional Information:** marina@sacnas.org



Help Endow the APS Edward A. Bouchet Award - An Invitation from Jim Gates

The Bouchet Award identifies and highlights minority physicists and provides role models for students who will become our next generation of scientists. The current Campaign was launched to establish new funding since the original sponsor, Research Corporation, is no longer able to continue its support. Fortunately the Alfred Sloan Foundation is providing temporary funding but we are seeking to endow the Award in perpetuity. **Our goal is to raise \$140,000**, please help us attain our goal by joining with us in support of this campaign. For further information contact S.

James Gates, Jr., gatess@wam.umd.edu or Darlene Logan, APS Director of Development, at (301) 209-3224 or logan@aps.org. Please visit the Bouchet Campaign website for more information and ways to make a tax-deductible gift or pledge, <http://www.aps.org/about/support/bouchet/index.cfm>.



California State University, Sacramento

FULL TIME LECTURER IN EXPERIMENTAL PHYSICS

Applications are invited for a two-year, full-time temporary lecturer in Physics to begin in Fall 2013. A PhD in physics or a closely related field and strong commitment to teaching at the undergraduate level are required. Those applicants with graduate coursework and/or research experience in experimental physics will be given preference. Post-doctoral experience and knowledge of electronics, LabVIEW, and computer interfacing are also preferred. Prior teaching at the undergraduate level and a strong commitment to college teaching and experience working with diverse groups are desired. Ours is a high-quality baccalaureate program located on a diverse, urban campus.

Applicants must submit a letter of application, official transcripts of all college work (unofficial copies accepted until invited for interview), a current curriculum vita, statements of teaching and scholarly interests, and telephone numbers and email addresses of at least three recent references that can speak to the professional qualities of the applicant. Send all materials to: Christopher Taylor, Department of Physics and Astronomy, California State University, Sacramento, 6000 J Street, Sacramento, CA 95819-6041. Review of applications will begin April 15, 2013, with the position open until filled. Additional information and complete application instructions can be found at www.csus.edu/physics/employment.html or at <http://www.csus.edu/hr/facultyvacancies/vacancies.html>.

Lakeside School

Physics Teacher – Upper School 2013-14

Lakeside School, an independent coeducational day school located in North Seattle, Washington, is currently recruiting for a full-time **Upper School Physics Teacher**, for the 2013-14 school year. The Lakeside Upper School Science Department consists of 11 members who have deep expertise in their disciplines, are dedicated to collaborative, innovative teaching, and are inspired by working with high school students. Currently, we are actively working to develop new curricula that will focus on student curiosity and exploration, self-directed learning, alternative forms of assessment, and fostering 21st century skills. The Science faculty work closely together both within sub-discipline teams (biology, physics, chemistry), and within the department as a whole. We are looking forward to welcoming a new department member with well-established knowledge in the physical sciences and a passion for team-based pedagogical advancement.

The Upper School physics teacher will have primary responsibility for teaching four sections of high school physics. These classes encompass both algebra and calculus-based physics, and may include standard, honors, and advanced levels. Essential duties will include Classroom instruction; Conferences with students and colleagues; Acting as an academic adviser to a group of 10 students; Active participation in the school community; Collaboration in the work of the department on curriculum development and pedagogy; Participation in departmental, divisional, and all-school meetings as necessary.

The successful applicant will have a BA or BS in physics or a related field; an MA, MS, or PhD in physics or a related physical science is strongly preferred. The ability to teach advanced (calculus-based) physics and science electives is also highly desirable. Teaching experience is expected, as is experience with standard laboratory techniques. References should speak to the candidate's eagerness and enthusiasm for working effectively with capable young people at this level and to the candidate's ability to work harmoniously and collaboratively with adult colleagues. Candidates must satisfactorily complete a nationwide criminal background check.

Interested candidates should submit a cover letter and resume via the online application located on Lakeside's website (www.lakesideschool.org). From the home page choose About Us / Employment / View and Apply For Available Jobs.

University of Arkansas, Fayetteville

Visiting Assistant Professor

The Physics Department at the University of Arkansas, Fayetteville, is looking for a person committed to undergraduate physics teaching to fill a Visiting Assistant Professor position. This is a 3-year renewable appointment, with a 9-month base salary of \$32K/year; the possibility also exists of teaching summer courses and/or online courses for extra compensation. Applicants should have a Masters' (minimum) or Ph.D. (preferred) degree in Physics or a closely related discipline, and must be able to teach undergraduate courses and labs, such as algebra-based physics and physics for non-science majors; the ability to teach upper-division courses is a plus. There are no research duties associated with this position, but the department has an active Science Education Research team and collaboration with it would certainly be welcome. The position will be effective August 15, 2013.

Applicants should submit a CV, including prior teaching experience and evidence of teaching effectiveness, a statement of their teaching philosophy, and names and addresses of three references, as a single PDF file, to: Visiting Position Search (physics@uark.edu). Review of applications will begin April 1, 2013. Completed applications received by April 30, 2013 will be assured full consideration. Late applications will be reviewed as necessary to fill the position.

Physics Instructor, North Carolina School of Science & Math



Position reports to the Dean of Science and is responsible for providing instruction for Physics. General duties include: develop and communicate to students clear course objectives and goals; plan and develop an instructional program that helps students assimilate specific course content and skills; hold tutorial sessions as outlined by discipline; regularly monitor and evaluate students' progress, providing them with resources and feedback on their performance; structure and manage an environment conducive to learning; model for students responsibility to self and others; follow the School's philosophy, policies, and procedures; serve as academic advisor to a small group of students (beginning in the second year of employment); serve as a Mini-Term sponsor; attend departmental, faculty, and staff meetings; serve on departmental, faculty, and school-based standing committees; write recommendations for up to 15 students each year (appropriate percentage for part-time teachers), as requested; participate in professional development and personal intellectual growth activities. Participate in one or more of the following activities: provide information, service, and expertise to other schools and organizations; assist students on special projects, independent and individual study, and seminar-based studies; participate in the Admissions Process by recruiting, selecting, and advising prospective students; participate in the NCSSM alumni activities; provide assistance for school-sponsored programs and extra-curricular activities. Duties include teaching AP Physics and elective courses with special emphasis on lab-based activities. Apply online <http://www.ncssm.edu/>.

Science Hobbyist study – Please participate!



Are you a science hobbyist?

We need your help with a new National Science Foundation sponsored research study that will investigate the characteristics and educational experiences of people who are active in science hobbies. More and more people are engaging in science hobbies; schools and science centers would like to know more about the characteristics of science hobbyists and how these organizations might better support hobbyists' networking and education. What will happen if you take part in the study? The information gained from this research can help science educators and researchers understand how to better teach science in schools and museums, and how to design better community-based science programs. Participation in this study is voluntary. Information you provide will be anonymous. If you complete the survey, you may elect to enter a drawing for a \$100 Target gift card.

Click on this link to complete survey: <http://tinyurl.com/NCSUhobbysurvey>

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/>.