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The Hispanic Physicist

A news service of the National Society of Hispanic Physicists
Please send news, letters, congratulations, announcements, to
Dr. Jorge A. López, Physics Department, Univ. Texas at El Paso
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NSHP web site: <http://www.hispanicphysicists.org>

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0. Speakers needed for Austin Sci & Eng Festival, Oct. 23-24



Dear Colleague, I would like to invite you to participate in the Austin Science and Engineering Festival by giving a general audience talk.

The Festival will run Saturday Oct. 23 and Sunday Oct. 24 from 10:00 am to 5:00 pm at the Austin Convention Center, and the allotted time for each talk is of one hour. All talks should be for general audiences with multimedia; there will be projectors and laptops available for your talk.

If you are interested, I ask you to please send me:

1. Title and abstract of your talk
2. Preferred times (two or three choices please).
3. A picture of you, your group or your equipment (for the printed announcement).

For more information about the Festival (and a welcome from the Governor) see:

<http://www.austinsciencefestival.org/>.

I thank you for your contribution . . . Jorge

Jorge A. López

Physics Dept., UTEP, 915-747-7528

1. Tenure-track Assistant Professor, The College of Wooster Physics Department

The College of Wooster Physics Department invites applications for a tenure-track Assistant Professor position beginning fall 2011 to teach a variety of physics courses and labs, guide student research projects, and develop a publishable research program involving students. Ph.D. in Physics or related field required. Experimentalist preferred. Participation in the College's interdisciplinary programs, including First-Year Seminar, is expected.

Our department is an inclusive community that emphasizes cooperation over competition, resulting in high student satisfaction (AIP report June 2004) with close faculty-student interactions and mentoring. Our physics club has won national awards for its elementary school outreach program. Each Wooster student completes a yearlong senior thesis project in our nationally recognized senior capstone program. Wooster ranks in the top 3 percent nationally as the baccalaureate origin of Ph.D.s when compared with other 4-year institutions. Over 17 years, students from 20 states and 43 institutions have collaborated with our faculty on NSF-REU funded research projects.

Send curriculum vitae, teaching philosophy, research plan, unofficial graduate transcripts, and three letters of recommendation to Dr. Susan Lehman, Chair, Department of Physics, The College of Wooster, 1189 Beall Avenue, Wooster, OH 44691 or SLehman@wooster.edu. Electronic submission (pdf) is preferred. Consideration of applications will begin 15 October 2010 and will continue until the position is filled.

2. Tenure track position at Assistant Professor Level, Coe College

The successful candidate will show a strong interest in teaching and research ambition. A Ph.D. in physics or closely related field is required. Responsibilities include teaching six courses annually and conducting substantial research with undergraduates. Startup funds are available. The physics program is nationally recognized, hosts a REU site, and receives significant external funding. Ongoing review begins December 15, 2010.

Application details are at <http://www.coe.edu/aboutcoe/employment#physics>. Direct all questions to Dr. Marie Baehr (mbaehr@coe.edu, 319-399-8616), Dean of the Faculty. Coe College is an equal opportunity/affirmative action employer. Women and minorities are encouraged to apply.

3. Science Children's book in Spanish: Aventuras en Atomville: El Macroscopio

Aventuras en Atomville es un nuevo tipo de "ciencia ficción". Niles y Livvie son amigos de toda la vida a pesar de que son diferentes átomos. Comparten los juegos típicos de los átomos y van a la escuela como el resto de sus compañeros. Un buen día comienzan a preguntarse de dónde vienen, pregunta que los lleva a aventuras que culminan en el descubrimiento del Mundo Interior y el Mundo Exterior. Las aventuras se complican cuando tienen que salvar a Penélope, la Vieja Protón Sabia, del malvado control de los Bencenos Royales. Los ciudadanos de Atomville se encuentran en desacuerdo, ya que algunos creen que los átomos deben vivir en un estado gaseoso y libre, mientras que otros piensan que los átomos deben trabajar para las moléculas. Las aventuras de Niles y Livvie nos llevan a conocer el mundo de los átomos, donde eventualmente descubrimos que las moléculas son de gran importancia para el Mundo Exterior. En este primer libro de la serie, Niles narra la historia de cómo él y

Livvie inventan accidentalmente un Macroscopio que les deja ver el Mundo Exterior por primera vez.

Go to smallworldbooks.net for more info or atomville.com

Cindy Schwarz
Professor of Physics
Vassar College

4. Assistant Professor in Physics Tenure-Track Theory Position

The Physics Department, Southern Illinois University Carbondale (SIUC) invites applications for one tenure-track Assistant Professor position in computational physics, starting 8/16/2011. We are seeking theorists specialized in computer simulations in the areas of materials science, biophysics, soft condensed matter or solid state, especially those that will complement our current areas of research and strengthen our doctoral program in Applied Physics. Generous start-up funds are available at a level that will enable the successful applicant to establish a nationally competitive research effort. Applicants must hold a Ph. D. in Physics or an equivalent doctoral degree, must have postdoctoral research experience with evidence of excellence in scholarship, and must have experience in teaching physics. The successful candidate is expected to pursue a vigorous research program, publish in high quality professional journals, actively seek and attract external funding, and teach and develop undergraduate and graduate courses.

Applicants should send a letter of application, curriculum vitae, a research plan (no more than two pages long), a statement of teaching philosophy (no more than one page) and the contact information including e-mails of four references to: Computational Search Committee Department of Physics, Mail Code 4401, Southern Illinois University Carbondale, 1245 Lincoln Dr. Carbondale, IL 62901 or submit the requested materials electronically to: spleasure@physics.siu.edu We will begin reviewing applications on 12/1/2010 and will continue until the position is filled. SIUC is an affirmative action/equal opportunity employer that strives to enhance its ability to develop a diverse faculty and staff and to increase its potential to serve a diverse student population. All applications are welcomed and encouraged and will receive consideration.

5. Post-Doctoral Fellow / Research Associate in Medical Physics

The Department of Radiation Oncology, Radiation Physics Division, invites applications for a postdoctoral research position starting November 1st, 2010. The employment period will be for two years.

The successful candidates will work on developments and clinical research applications of Monte Carlo simulation methods in proton therapy.

Qualifications: Ph.D. in physics or computer science. Excellent programming skills under C++. Experience in Monte Carlo simulations is preferred.

The Massachusetts General Hospital is an equal opportunity employer. Training in radiation therapy physics, including treatment planning and dosimetry, will be offered to complete the post-doctoral fellow's education. The Department provides radiation therapy at several clinical sites in the Boston area, and is a teaching affiliate of the Harvard Medical School.

To apply, please send your CV and arrange for 2 letters of recommendation to be sent to hpaganetti@partners.org or Harald Paganetti, Massachusetts General Hospital, Department of Radiation Oncology, Francis H Burr Proton Therapy Center, Boston MA 02114.

6. Faculty Position in Astrophysics/Particle Physics, University of California, San Diego

The Department of Physics within the Division of Physical Science at UC San Diego (<http://physics.ucsd.edu>) is committed to academic excellence and diversity within the faculty, staff and student body. We are seeking applications for a tenure-track (assistant professor) position in **theoretical physics** in the areas of **Astrophysics, Particle Physics, and Astroparticle Physics**. Applicants should have a Ph.D. in physics or astronomy, an outstanding record of research accomplishment and professional activity, ability and strong interest in undergraduate and graduate instruction, and demonstrated potential for strong contributions to diversity, equity and inclusion. Candidates will be judged both on research accomplishments and on leadership in areas contributing to diversity.

The successful candidate is expected to establish a research program and to participate in the educational programs and other activities of the Department.

Applications should consist of: a curriculum vitae, list of publications, summary of research interests, future research plan, and a personal statement summarizing past or potential contributions to diversity.

Applications are to be submitted online at the RECRUIT website: <https://apol-recruit.ucsd.edu/apply>.

Candidates should also arrange to have three letters of reference posted to that website.

Information about spousal/partner employment is available on the Partner Opportunities Program website: <http://academicaffairs.ucsd.edu/offices/partneropp/>.

Salary per UC pay scales. Review of applications will begin on October 25, 2010 (must be at least 3 weeks after publication date) and continue until the position is filled. *UC San Diego is an equal opportunity/affirmative action employer with a strong institutional commitment to excellence and diversity* (<http://diversity.ucsd.edu/>).

7. NSHP's Jorge Lopez to receive 2010 MAES Outstanding MAESTro Award

8. NSHP's Ramon Lopez to receive 2010 SACNAS Distinguished Scientist Award

9. Fall, 2010 joint meeting of Texas Sections of APS/AAPT/SPS/NSHP/NSBP

10. Geophysicist vacancy, Ada. OK.

The MAES Board of Directors and the Bravo Awards 2010 Selection Committee selected NSHP's Dr. Jorge A. Lopez for the "Outstanding Maestro Award 2010". The Outstanding MAESTro Award seeks to recognize individuals for their proactive and supporting efforts to increase the number of Latino students successfully completing high school and continuing on to pursue undergraduate and graduate degrees as well as their academic achievements, research portfolio, commitment to diversity, leadership within their institution, and contributions to the Latino community. Dr. Lopez's contributions to the Hispanic community are well recognized and truly appreciated. The award will be presented on Friday, October 1, 2010, (6:30 PM start) during the Medalla de Oro and Bravo Awards Gala Banquet, to be held in Anaheim, CA, at the Anaheim Hilton.

8. NSHP's Ramon Lopez to receive 2010 SACNAS Distinguished Scientist Award

Ramon Lopez, PhD, is currently a Professor in the Department of Physics at the University of Texas at Arlington. Dr. Lopez' current research focuses on solar wind-magnetosphere coupling and the role of spatial intelligence and visual cognition in science education. He is the author or coauthor of over 120 publications, including the popular science book "Storms from the Sun." From 1994 - 1999, Dr.

Lopez was the Director of Education and Outreach for the American Physical Society (APS), and in 2005 he was Chair of the APS Forum on Education.

9. Fall, 2010 joint meeting of Texas Sections of APS/AAPT/SPS/NSHP/NSBP

Fall, 2010 joint meeting of Texas Sections of APS/AAPT/SPS/NSHP/NSBP, October 21-23, 2010 at the University of Texas at San Antonio (UTSA). The Department of Physics & Astronomy at UTSA are the hosts for this meeting. The Department of Physics & Astronomy of Trinity University is helping with the meeting organization.

Registration and abstract submission for this meeting are now open. The Abstract Submission Deadline is Friday, September 24, 2010 and the Early Meeting Registration Deadline is Friday, October 8, 2010. Detailed instructions for both registration & abstract submission are on the conference website at <http://physics.utsa.edu/TXAPS/index.html>.

In addition, information on the conference program, on entering the Student Presentation Award Competition (\$200 to winners!! NOTE!!!

ONLY APS abstracts are eligible!!), on Student Travel Grant Applications (\$150 to students who apply!), on lodging for attendees, and on travel to San Antonio is posted there and will be regularly updated.

Our hosts at the Department of Physics & Astronomy at UTSA have planned an exciting and stimulating meeting, and you are invited to participate. The invited speakers and their topics (if known) are:

1. Professor Isaac Sanchez, Department of Chemical Engineering, University of Texas at Austin, "Towards a Model of Cold Denaturation of Proteins."
2. Professor Carlos Ordonez, Department of Physics, University of Houston, "Latest Developments in Conformal Quantum Mechanics and Black Hole Thermodynamics."
3. Professor Ron Elber, Department of Chemistry and Biochemistry, University of Texas at Austin, "Computer Simulations of Molecular Machines."
4. Professor Nicholas Suntzeff, Department of Physics, Texas A&M University, College Station, topic TBA.
5. Dr. Xomalin Peralta, Department of Physics & Astronomy, University of Texas at San Antonio, topic TBA.
6. Dr. Marilia Samara, Space Science and Engineering Division, Southwest Research Institute, San Antonio, topic TBA.

The banquet speaker will be Dr. Pedro Montano, Office of Basic Energy Sciences, US Department of Energy. Information and details about the Robert S. Hyer Research Award, presented annually to students and their faculty mentors for excellence in research, will be sent in a separate communication.

I hope to see you in San Antonio in October!

Best Regards,

Charley Myles
Secretary-Treasurer, TSAPS

10. Geophysicist vacancy, Ada. OK.

The following vacancy announcements have been posted to USAJOBS.

Vacancy Announcement #: RTP-ORD-MP-2010-0116
Title: Geophysicist
Series & Grades Announced: GS-1313-12/13
Full Performance Level: GS-13 SF-52 #: NRMRL-10-046
NRMRL-10-046
Location of Position: ORD/NRMRL/GWERD/SRB, Ada, OK
ORD/NRMRL/GWERD/SRB, Ada, OK
Area of Consideration: government-wide any US citizen
Position Type: permanent

They will be available for application at www.usajobs.gov.

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