

Subject: NSHP News: Sep. 5, 2008

The Hispanic Physicist

**A news service of the National Society of Hispanic Physicists
Please send news, letters, congratulations, announcements, or
communications to**

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<http://hispanicphysicists.org>.**

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1. Come to El Paso: Joint Meeting of NSHP and the Texas & 4C Sections of the APS

The Fall Texas Physics Meeting will be held October 16-18, 2008 at the U. of Texas at El Paso. As usual, this is a joint meeting of the Texas Section APS, the Texas Section AAPT and SPS Zone 13. This time, the Four Corners Section APS, the New Mexico AAPT, and SPS Zone 16 will also meet with us. This is the first time that the Texas (TSAPS) and Four Corners (4CS) APS Sections will meet together. The National Society of Hispanic Physicists and the National Society of Black Physicists will also join us. So, this very likely will be one of our largest meetings ever!

Our hosts are the Dept. of Physics at the U. of Texas-El Paso, with assistance from the Dept. of Physics at New Mexico State U. An exciting and stimulating meeting has been planned, and you are invited to participate. Plenary Speakers include Noel Clark (Colorado U., Boulder), John Culamat (Colorado U., Boulder), Ravi Droopad (TX State, San Marcos), Bob Eisenstein (Albuquerque

Foundation), Mike Lubell (APS), and Tom Picraux (Sandia-LANL-CINT). The Banquet Speaker is Dr. Thomas Calligaro ([The Louvre, Paris](#)).

Deadline for abstract submission is Friday, September 12. The deadline for pre-registration is Friday, September 19. Conference details, highlights, forms, and hotel information are found on the conference website at: <http://www.geo.utep.edu/pub/tx4c/>.

In addition, please do not forget to nominate deserving students and colleagues for the TSAPS 2nd Annual Robert S. Hyer Research Award!! The Hyer Award is the highest recognition for excellence in research awarded by the TSAPS. Hyer Award nominations must be received by Fri., Sept. 26, 2008. Send paper submissions to Prof. Roland E. Allen, Dept. of Physics, Texas A&M U., College Station, TX 77843-4242. Send email submissions to allen@tamu.edu. A detailed description of this award, its eligibility requirements, and the submission instructions are on the Hyer website at: <http://units.aps.org/units/tsaps/hyer.cfm>.

I hope to see you in El Paso in October!

Charley Myles, Secretary-Treasurer, Texas Section APS

2. Faculty Position in Experimental Condensed Matter Physics, University of Virginia

The Department of Physics at the University of Virginia invites applications for a faculty position in experimental condensed matter physics, at the tenure-track assistant professor level, appointment beginning August 25, 2009. Candidates must have a Ph.D. or equivalent in Physics or related field, postdoctoral experience, an outstanding research record, and an aptitude and commitment to teach at both undergraduate and graduate levels. Candidates with outstanding records in all forefront areas of experimental condensed matter physics are encouraged to apply. Examples of these areas include strongly correlated systems, nanoscopic physics, molecular electronics, and soft condensed matter physics. The successful candidate is expected to establish a world-class research program that adds significantly to the department's strengths in condensed matter physics while at the same time interfacing with existing programs.

To apply, candidates must submit a candidate profile, cover letter, a curriculum vitae along with their publication record, a statement of teaching philosophy and a statement of research interest; both statements must be at least one page minimum or two pages maximum, through Jobs@UVA (<https://jobs.virginia.edu>). The job posting for this position can be located under posting number 0602557. Candidates are required to have four letters of

references sent directly to:

phys-cmp-exp-pos@virginia.edu or Experimental CMP Search, Department of Physics, University of Virginia, PO Box 400714, Charlottesville, VA 22904-4714. Questions regarding the application process should be directed to: Tammie Shifflett, tms4t@virginia.edu, 434-924-6565. Applications received on or before December 30, 2008 will be given priority consideration; however, the position remains open until filled. For information on our department, please visit our website at <http://www.physics.virginia.edu>. Women and members of underrepresented groups are encouraged to apply. The University of Virginia is an Equal Opportunity/Affirmative Action Employer and is strongly committed to building diversity within its community.

3. Tenure-track assistant professor in experimental condensed matter physics, Vanderbilt University

The Department of Physics and Astronomy at Vanderbilt University invites applications for a tenure-track assistant professor appointment in experimental condensed matter physics, to begin in the 2009-2010 academic year. Applicants should have a Ph.D. in physics or a related field, a strong record of research accomplishments, and an interest in teaching at both the undergraduate and graduate levels.

Active areas of experimental research at Vanderbilt include nanoscale optics and plasmonics, ultrafast laser interactions with materials, semiconductor physics, lanthanide and organic nanomaterials, and thin films. Theoretical research areas include computational materials physics, atomic-scale dynamics, mesoscopic dynamics in complex solids, laser interactions with materials, and nanoscale physics.

The Vanderbilt Institute of Nanoscale Science and Engineering operates well-equipped nanofabrication and characterization facilities, and facilitates collaborations between members of the Physics Department, Chemistry Department, and several departments in the College of Engineering at Vanderbilt.

Applications from any area of experimental condensed matter physics will be considered. Vanderbilt University is located in Nashville, Tennessee, a cosmopolitan city with many cultural activities. Applications, including a curriculum vitae, list of research publications, statement of research and teaching interests, and at least three letters of recommendation, should be sent to: Professor Richard Haglund, Chair, Condensed Matter Search Committee, Department of Physics and Astronomy, VU Station B Box 351807, 2301 Vanderbilt Place, Vanderbilt University, Nashville, TN 37235-1807.

*Review of applications will begin *Nov. 1* and continue until the position is

filled. Vanderbilt University is an equal employment opportunity/affirmative action employer. Women and minority candidates are encouraged to apply.

4. Research Position in Scientific Computing University of California, San Diego

The High Energy Physics Group at UCSD seeks a researcher interested in a long-term leadership position in the group. Our group is playing a leadership role in the Open Science Grid (<http://www.opensciencegrid.org>) in the areas of applications development, grid site operations, and developing a roadmap that satisfies the future needs of an expanding scientific user community. The candidate is expected to play a key role in all aspects of our involvement in the Open Science Grid, as well as actively helping to shape the future of our involvement in distributed computing in general. Strong technical skills, and an interest in day-to-day operations of computing infrastructure are required in addition to strong written and verbal skills. Candidates must have a Ph.D. in a data intensive science, e.g. particle physics; postdoctoral experience preferred, or at least 5 years of experience in development and operations of computing infrastructure in particle physics. Title and level of appointment will be commensurate with qualifications and experience.

Salary will be based on published UC pay scales. Review of applications will begin on September 23rd, 2008 and will continue until position is filled. To apply, candidates should refer to position WPSC-WM, send a CV, and have 3 letters of reference sent electronically to osgsearch@physics.ucsd.edu or by mail to: Professor Frank Wuerthwein, UCSD, 9500 Gilman Drive, MC 0319, La Jolla, CA 92093-0319.

5. Faculty Turn Over Study

We are requesting your help in identifying participants for a study that we are conducting at Rice University.

Essentially, we are trying to identify ANY faculty who have voluntarily left one academic job for another job (either academic or nonacademic).

Who fits in this criteria?

- * Any faculty member who was in an academic position but left academics altogether.
- * Any faculty member who left a research institution for a teaching institution.
- * Any faculty member who left a teaching institution for a research university.
- * Any faculty member who left a teaching or research university to go to a different and/or comparable university.

We are trying to get as diverse a sample as possible, so we are hopeful you

might know folks who fit into each and all of these categories. We also want to let you know that we have already contacted faculty who have departed Rice voluntarily. The faculty who are currently at Rice, who left other schools, have not yet been contacted, so if you know these people, they would certainly fit into our criteria although we are eager to get as diverse a sample (and those not necessarily connected to Rice) as possible.

Why are we trying to identify these participants?

As you might (or may not know), we are currently conducting a study at Rice University that examines patterns and trends in faculty turnover.

This research is part of the ADVANCE grant and we are trying to examine, in particular, if there may be differences in the reasons that men and women leave academic institutions. Because we are trying to understand the full spectrum of faculty turnover we are interested in those who left for completely personal (non-university related) reasons as well as those who left for organizational reasons.

What can you do to help?

What you could do is to specifically email your faculty friends and invite them to participate. We find that personalizing emails to the people you know offers the best chance of them responding. For ease of helping us, we will include a sample email that you could simply personalize and forward below.

Thank you for potentially being willing to forward this to your friends and contacts!

Mikki Hebl, Director of Faculty Turnover Study
Larry Martinez and Katie Bachman, Co-Assistants of Faculty Turnover Study

Jan Rinehart, Executive Director Advance Program, PO Box 1892-MS 102, Rice University, Houston, Texas 77251-1892, 713-348-3345, jan.rinehart@rice.edu

6. Postdoctoral position in quantum optics, quantum many body physics and related areas, ICN-UNAM, Mexico City.

We are looking for candidates to fill a postdoctoral position in quantum optics, many body physics and related areas at Instituto de Ciencias Nucleares, UNAM, Mexico City. The position is open for one year, with option for a second year, starting in February 2009. Salaries are internationally competitiveness. The research areas include - quantum optics - algebraic methods applied to the quantum many body problem - quantum phase transitions - nuclear and subnuclear structure - low energy models for baryons and mesons - double beta decay. - symmetries in molecules. - quantum chaos and random matrices Applicants should have obtained their Ph.D degree in the previous three years and be 35 years old or younger, by February 1st, 2009. Candidates

must send a letter of interest, a research proposal, an abstract of her/his Ph.D. Thesis, a complete curriculum vitae including the full list of publications, and two recommendation letters, to Dr. Jorge G. Hirsch, hirsch@nucleares.unam.mx DEADLINE: September 19th, 2008, to start in February 2009. Other posdoc positions would be available for starting in September 2009. Additional information can be found in the web page www.nucleares.unam.mx (in Spanish), and in <https://metropolis.nucleares.unam.mx/qog> (in English).

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7. APS Minority Brochures

APS has brochures for minorities in physics:

(<http://www.aps.org/programs/minorities/upload/minoritybrochure07.pdf>)

and tips for hiring minorities:

(http://www.aps.org/programs/minorities/recruitment/upload/Tips_for_recruiting_and_hiring_minorities.pdf).

Please help distributing them.

8. Tenure-track assistant professor position at the Physics Department of the University of San Diego

The Physics Department at the University of San Diego is pleased to invite applications for a tenure-track assistant professor position to start in the fall semester of 2009. The successful candidate will have a demonstrated ability and a strong interest in undergraduate teaching in a four-year liberal arts environment and will be expected to establish a vigorous undergraduate research program.

Preference will be given to those with a background in condensed matter physics, although qualified applicants from all fields will be considered. The Physics Department is currently housed in the Shiley Center for Science and Technology, a state of the art teaching and research facility completed in 2003.

The 150,000 square foot Shiley Center also houses the Departments of Chemistry and Biochemistry, Biology, and Marine Science and Environmental Studies, and is designed for interdisciplinary efforts. Each full-time faculty member has a private office and his or her own 475 sq. ft. research laboratory, designed for flexibility. Start-up funds are available.

Applications should include a curriculum vitae, 3 letters of reference, a statement of teaching philosophy in a liberal arts environment, a statement of

research experience and plans, and undergraduate and graduate transcripts. For full consideration, completed applications should be submitted by November 1st, 2008. As part of the University's "Be Blue – Go Green" sustainability initiative, we ask that applications be submitted via email as one complete PDF file to andrewsk@sandiego.edu with the subject line "physics2009search". The Letters of reference, and any additional hard copy materials (if needed) must be forwarded to Professor Greg Severn, Chair of Search Committee, Department of Physics, University of San Diego, 5998 Alcala Park, San Diego, CA 92110. The Physics Department website is www.sandiego.edu/physics.

USD is an Equal Opportunity Employer.

9. Faculty Position in Nanoscale Biophysics, University of Maryland Baltimore County

The Department of Physics invites applications for a tenure-track assistant professor position in nanoscale biophysics to begin in the Fall of 2009. We seek candidates who will establish a vigorous, externally funded research program and will collaborate with the existing nanoscale research groups within the Department as well as contribute to an NIH supported campus initiative to foster interaction between the physical and biological sciences. The position is open to both theorists and experimentalists. Our current research programs are active in nonlinear optical properties of organic and inorganic materials, surface science, and atomic layer deposition. We are especially interested in candidates who can contribute to the areas of molecular electronics, nano-biophysics, nano-biotechnology, and nanophotonics. In exceptional cases, the appointment may be made at a higher rank. A Ph.D. in Physics, Biophysics or in a closely related field and the ability to effectively teach across the undergraduate and graduate physics curriculum are required. The Department of Physics plans to create a biologically motivated introductory physics sequence for life science majors; candidates for this position are expected to contribute to this effort. Postdoctoral experience is desirable and competitive start-up funds are available. The department currently consists of 21 tenure-track and 25 research faculty, about 50 graduate students and 120 undergraduate majors, and offers M.S. and Ph.D. degrees in Applied Physics and in Atmospheric Physics. Research expenditures currently exceed \$7M per year. (For more information see: <http://physics.umbc.edu>).

Please submit an application letter, a resume, a research plan, a teaching plan, and the names and addresses of at least three references to Prof. Laszlo Takacs, Chair of the Search Committee, Department of Physics, UMBC, 1000 Hilltop Circle, Baltimore MD 21250, Email: takacs@umbc.edu. Review of the applications will begin on December 1, 2008 and continue until the position is filled. The department is especially interested in candidates who can

contribute to the diversity and excellence of the academic community through research, teaching and service. UMBC is an equal opportunity/affirmative action employer.

10. Two Assistant Professor Positions in High Energy Physics at Southern Methodist University

The Department of Physics at Southern Methodist University invites applications for two tenure track Assistant Professor positions in high energy physics to start in August, 2009. One position is for an experimentalist while the other can be either in the area of experiment or in theory. Outstanding applicants at the associate or full professor level will be considered in exceptional cases. We particularly encourage those candidates whose qualifications would complement and strengthen the department. SMU Department of Physics has 12 teaching and research faculty members, all active in research in high energy physics. More details regarding our department may be found at <http://www.physics.smu.edu/>. Faculty members are expected to be effective teachers at both the undergraduate and the graduate level and to initiate and maintain vigorous research programs. SMU has an active program with a strong presence on ATLAS, D0, NOvA, eBubble and AGE projects. Candidates interested in the ATLAS program are expected to take leadership role in the LHC data analysis. Other ATLAS activities include LAr calorimeter commissioning, data monitoring, software activities and R&D on the electronics for the LHC luminosity upgrade. Interested individuals should send a CV and arrange for three letters of reference to be sent directly to Faculty Search No. 05766 and 05012, Department of Physics, 102 Fondren Science Building, Southern Methodist University, Dallas, Texas 75275-0175 or by email to carol@physics.smu.edu. Applications received by October 15, 2008 will receive full consideration, though we will continue accepting applications until the position is filled. Southern Methodist University is an Affirmative Action/Equal Opportunity institution. Women and minorities are especially encouraged to apply. Hiring is contingent upon the satisfactory completion of a background check.

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