

The Hispanic Physicist

The Newsletter of the National Society of Hispanic Physicists

Year 10

January 12, 2006

2005 Hispanic APS Fellows

Our community was honored with the naming of several Hispanics as APS fellows in 2005. These colleagues are to receive their awards during their topical meetings in 2006. At the risk of missing somebody, here is the list I could identify.



Alejandro Garcia, University of Washington, “for innovative measurements related to nuclear beta decay, fundamental interactions, neutrino detector calibrations and nuclear astrophysics”, nominated by: Nuclear Physics



Carlos A. Iglesias, Lawrence Livermore National Laboratory, for ground-breaking contributions to the study of the production and transport of radiation in astrophysical and laboratory plasmas, including particularly the development of the OPAL opacity code, nominated by: Plasma Physics



Todd J. Martinez, Lawrence Berkeley Lab, for his work on Molecular photochemistry, nominated by: Chemical Physics



Aldo Dante Migone, Southern Illinois University, for his contributions to the experimental study of the thermodynamics of one- and two-dimensional films adsorbed on carbon nanotubes, graphite, and boron nitride., nominated by Condensed Matter



Jorge Piekarewicz, Florida State University, for seminal and sustained research on fundamental nuclear physics problems using novel computational tools, particularly on the nuclear equation of state and its impact on the physics of neutron stars, nominated by: Computational Physics



Jorge Juan Rocca, Colorado State University, For breakthrough developments in compact soft x-ray lasers and in the applications of these lasers to plasma diagnostics, interferometry and material studies, nominated by: Laser Science



Renata Maria M. Wentzcovitch, University of Minnesota, for computational tools for, and valuable predictions of, structure and properties of earth minerals and exotic oxides, especially at high pressure and temperature., nominated by Materials Physics

NSHP Salutes the 2005 APS Fellows!



--- cut out – post – and- brag! ---

Research Profile: Fernando Espinoza

Dr. Espinoza recently moved from Lehman College to assume the position of Associate Professor of Chemistry and Physics, and Science Education coordinator at the School of Education at SUNY at Old Westbury. Dr. Espinoza works on interdisciplinary approaches to science education, connections between science, arts, and humanities, the new standards in science education, and on the integration of mathematics, science, and technology in teaching. Dr. Espinoza received his B.A. and M.A. in physics from Queens College, and an Ed.D. in Science education from Teachers' College at Columbia University. His last publication in *Phys. Educ.* 40 274-280 can be found at <http://www.iop.org/EJ/article/0031-9120/40/3/007/pe5307.pdf>.

NSHP Congratulates Dr. Espinoza!



News you can use



DIVISION OF PHYSICS - National Science Foundation
NSF's Division of Physics (PHY) is seeking qualified candidates for four positions expected to be filled in the summer or fall of 2006. The anticipated vacancies are:

- Program Director for Elementary Particle Physics (experimental) NSF Vacancy Announcements E20060028 (Permanent) or E20060024 (Rotator)
- Program Director for Theoretical Physics (elementary particle and astrophysics and cosmology theory) NSF Vacancy Announcements E20060025 (Permanent) or E20060021 (Rotator)
- Program Director for Nuclear Physics and Nuclear Astrophysics (experimental) NSF Vacancy Announcements E20060026 (Permanent) or E20060022 (Rotator)
- Program Director for Atomic, Molecular, and Optical Physics (experimental) NSF Vacancy Announcements E20060027 (Permanent) or E20060023 (Rotator)

Announcements are at http://www.nsf.gov/about/career_opps/vacancies/scientific.jsp.

The deadline for applications is January 13, 2006.

The Ohio State University

Faculty Position in Condensed Matter Physics The Ohio State University

Faculty appointment starting the Fall Quarter of 2006, in the Experimental Condensed Matter Physics at the nanoscale. Applicants need a Ph.D., outstanding research record, a commitment to excellence in teaching at undergraduate and graduate levels. All applications (containing an application, CV, list of publications, description of research plans, teaching statement and 4 letters of recommendation) should be submitted electronically at <http://www.physics.ohio-state.edu/jobs/facultyapp/>



Tenure Track Experimentalist Worcester Polytechnic Inst.

A tenure-track faculty starting 8/2006

for a soft-condensed matter experimentalist in Complex Fluids, Condensed Matter, Nano-mechanics and optoelectronics, Physics, Education Research, BECs, Quantum Information Theory, and Theoretical Nuclear and Particle Physics. See www.wpi.edu/+physics. Applications should include a C.V., publication list, detailed descriptions of research plans, teaching interests and 3 letters of recommendation, sent to: Search Committee, Physics Dept., Worcester Polytechnic Inst., Worcester, MA 01609-2280.

THE NATIONAL ACADEMIES

Postdoctoral awards from the National Research Council of the National Academies

These awards at federal laboratories provide stipends of \$36,000 - \$65,000, and the opportunity to do independent research in some of the best-equipped and staffed laboratories in the country. Detailed information is available at: www.national-academies.org/rap, please direct questions to H. Ray Gamble, Director of the Fellowship Programs, National Research Council, The National Academies, 202-334-2760 (tel) or rap@nas.edu. Upcoming **deadline dates** are: February 1, 2006, May 1, 2006, August 1, 2006, and November 1, 2006.



Faculty Position Experimental Particle Physics – U C. San Diego

At the tenure track assistant professor level or for outstanding applicants at the associate or full professor level, starting 11/1/2006. Includes involvement in the BaBar, CDF and CMS experiments. See <http://hep.ucsd.edu>. Applicants need a Ph.D. in physics, outstanding record of research, and strong interest in undergraduate and graduate instruction. Send CV, list of publications, statement of research interests and three letters of recommendation to: Faculty Search Committee – Particle Physics Experiment, Department of Physics PPW0354, University of California, San Diego, 9500 Gilman Drive, La Jolla, CA 92093-0354, or to ppefac@physics.ucsd.edu.

The Hispanic Physicist. Published whenever there is news and the editor has enough time. Send news, letters, congratulations, etc. to Jorge A. López, Physics Department, Univ. Texas at El Paso, 500 W. University Ave., El Paso, TX 79968, (915) 747-7538, jorgelopez@utep.edu, <http://hispanicphysicists.org>.