The Hispanic Physicist
The Newsletter of the National Society of Hispanic Physicists

Year 15

December 12, 2011

Latest wave of Hispanic APS and AAAS fellows

Fernando Grinstein, from Los Alamos National Lab, for outstanding technical leadership in the formalization, development, and validation of novel large-eddy simulation strategies, and for their application to transitional and turbulent flows.

Rigoberto Hernandez, from Georgia Tech, for theoretical and computational advances in modeling and characterizing chemical and molecular dynamics in complex environments.

Jaime Marcelo, from Los Alamos National Lab, for his remarkable and pioneering contributions in QCD applying light-front dynamics to fundamental aspects of hadron physics, including spectroscopy, wave functions, and form factors.

Ramon Lopez, AAAS Fellow from U. Texas at Arlington, for efforts on behalf of the advancement of science or its applications

CONGRATULATIONS!

NSHP News

Luz Martinez Represented NSHP at White House Ceremony

Dr. Luz J. Martinez-Miranda represented the NSHP in the US President’s ceremony to honor the Medal of Science and the Medal of Technology and Innovation. This ceremony took place on October 21, 2011 in the East Room of the White House. She will again represent NSHP at the National Press Club panel discussion entitled “Has the US ceded its lead in science and technology? How to reverse a negative trend line” that took place on Nov. 10, 2011.

News you can use

Mount Holyoke College, Part-time, Visiting Position

The Mount Holyoke College Physics Department is looking for a Ph.D. physicist to teach a course this coming spring (2012). The most likely course is an intermediate laboratory course centered on lasers, optics, and quantum mechanics. Applications accepted now with a decision to be made this semester. Send a letter of interest expressing your qualifications, a current CV, and a list of references to Dr. Janice Hudgings, Associate Dean of Faculty for Science, Mount Holyoke College, 50 College Street, South Hadley, MA 01075 (jhudging@mtholyoke.edu). Electronic submission accepted. Candidates may be contacted for further information.

Experimental Nuclear Physics, Central Michigan University

The Department of Physics at Central Michigan University (CMU) invites applications for three tenure-track positions beginning August, 2012 in experimental nuclear physics in areas of research related to the DoE-funded Facility for Rare Isotope Beams (FRIB). These areas include experimental nuclear physics with a focus on exotic nuclei, nuclear astrophysics, beam/accelerator physics, and atomic, molecular and optical physics. Application materials must be submitted online at www.jobs.cmich.edu. To insure consideration, applications should be received by January 5, 2012, although review of applications will continue as needed until the position is filled. For more information applicants should contact Prof. Joe Finck (finck@phy.cmich.edu) or Prof. Mihai Horoi (horoi@phy.cmich.edu).

Department of Physics, UC San Diego, Quantitative Biology

The Department of Physics at UCSD invites applications from for a tenure-track Assistant Professorship associated in the area of Quantitative Biology (qBio). The successful candidate is expected to have broad interests in biological physics, to complement existing strengths within the Department, and to collaborate with colleagues across the UCSD campus and in the La Jolla area. Interested candidates should submit online https://apost-recruit.ucsd.edu/appl a CV, list of publications, 5 reprints, and a summary of research and teaching plan. Candidates should also arrange to have three to five letters of reference addressing research, teaching and professional service submitted at the above-mentioned URL. Prompt response is recommended. Review of applications will commence on November 1, 2011 and continue until the position is filled. Salary will be commensurate with qualifications.
UC San Diego, FACULTY POSITION IN THEORETICAL HIGH ENERGY/QUANTUM THEORY PHYSICS
The Department of Physics within the Division of Physical Science at UC San Diego [http://physics.ucsd.edu] invites applications for a tenure-track faculty member in the field of Theoretical High Energy (Particle) Physics or those particularly interested in quantum theory. Applications are to be submitted online at the UCSD website: https://apol-recruit.ucsd.edu/apply. Review of applications will commence on November 27, 2011 and continue until the position is filled. All candidates should submit: a curriculum vitae, list of publications, summary of research interests, future research plan, and a statement describing past and/or potential contributions to and leadership in promoting equity, inclusion, and diversity. Candidates should also arrange to have three letters of reference posted to that website.

Department of Physics, UC San Diego, Full Professor in Theoretical Biological Physics
The Department of Physics at UCSD [http://www.physics.ucsd.edu/] invites applications from qualified individuals for a tenured Full Professorship in theoretical Biological Physics. The successful candidate is expected to have a strong theoretical physics background, a broad interest in biological physics, and a world-class research program complementing existing strengths at the NSF-supported Center for Theoretical Biological Physics. Interested candidates should submit online [at https://apol-recruit.ucsd.edu/apply] a curriculum vitae, list of publications, reprints of up to five representative papers, and a personal statement that includes a summary of research plans, teaching plan at the interface of physics and biology, past or potential contributions to diversity (see http://facultyequity.ucsd.edu/Faculty-Applicant-C2D-Info.asp for further information). Please select the following recruitment: Physics Full Professor - Theoretical Biological Physics (10-322). Candidates should also arrange to have three letters of reference addressing research, teaching and professional service submitted at the above-mentioned URL. Prompt response is recommended. Review of applications will commence on November 22, 2011 and continue until the position is filled.

UC San Diego, SENIOR FACULTY POSITION IN EXPERIMENTAL CONDENSED MATTER PHYSICS
The Department of Physics within the Division of Physical Science at UC San Diego [http://physics.ucsd.edu] invites applications for an outstanding senior (tenured) faculty member in Experimental Condensed Matter Physics. The successful candidate is expected to establish a world-class research program and to participate in the educational programs and other activities of the Department. We are particularly interested in outstanding candidates from the broad general area of Nonequilibrium Phenomena in Condensed Matter systems such as short time scale pump-probe experimental techniques. In addition to traditional optical (laser-based) pump-probe and control experiments, new directions including the use of pulsed electrical and magnetic fields, infrared, visible, ultraviolet and X-ray radiation, to investigate competing and coupled charge, spin and lattice interactions in a wide range of technologically and fundamentally important materials and devices are of interest. Outstanding candidates in all areas of Experimental Condensed Matter Physics are of interest as well. Applications are to be submitted online at the RECRUIT website: https://apol-recruit.ucsd.edu/apply. Please apply to the following open position: PHYSICS Tenured Full Professor (10-344). Completed applications received by December 22, 2011 will receive full consideration although the position will be open until a satisfactory candidate is found. All candidates should submit: a curriculum vitae, list of publications, summary of research interests, future research plan, and a statement describing past and/or potential contributions to and leadership in promoting equity, inclusion, and diversity (see http://facultyequity.ucsd.edu/Faculty-Applicant-C2D-Info.asp for further information). Candidates should also arrange to have three letters of reference posted to that website.

Summer Space Science Opportunity - The Space Scholars Program
Program provides a unique opportunity for college students to spend the summer doing research working closely with Air Force Research Laboratory scientists. Information about the program can be found on-line at http://www.vs.afrl.af.mil/spacescholars/index.aspx. The web site has not been updated recently but typically topics are posted in late November and applications are due by mid January, so bookmark the site and check back.

The Renewable Energy MRSEC program invites exceptional undergraduate math, science, and engineering students to participate in a ten-week summer research program addressing fundamental materials issues related to the science and technology of renewable energy while nurturing a greater sensitivity of our place and role in the world in which we live. This highly interdisciplinary program focuses on multiple areas that are open to all materials science, engineering, physics, chemistry, mathematics, chemical engineering and computer science undergraduate majors. Dr. Chuck Stone, Director, REMSEC REU, Colorado School of Mines, 1523 Illinois Street, Golden, Colorado 80401, Email: cstone@mines.edu, Telephone: (303) 273-3762, http://remsec.mines.edu/reu.htm