

The Hispanic Physicist

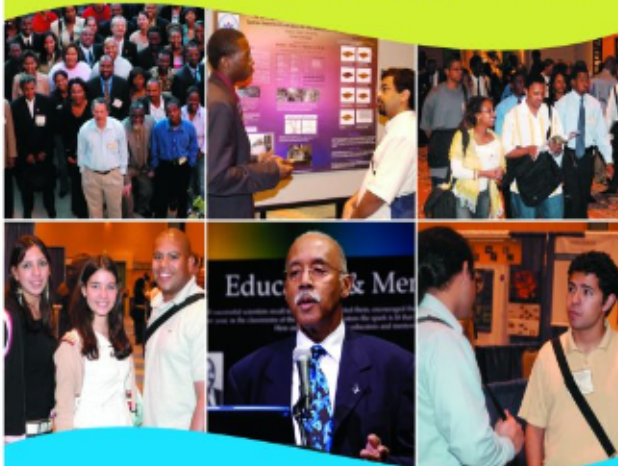
The Newsletter of the National Society of Hispanic Physicists

Year 9

December 6, 2005

Joint Conferences of the National Society of Black Physicists and National Society of Hispanic Physicists

LEADERSHIP IN PHYSICS AND WORKFORCE DEVELOPMENT



**2006 Joint
Annual Conference**

of the
**National Society
of Black Physicists**
www.nsbp.org

and the
**National Society of
Hispanic Physicists**
www.hispanicphysicists.org

February 15–19, 2006 • San Jose Fairmont Hotel • San Jose, CA

The Conferences, which brings together over 500 African American and Hispanic American physics students and professionals, has a cutting-edge program as well as a student development program with a mentor-protégé match-making and a recruiting fair. The program includes over 120 oral and poster presentations covering Astrophysics, Atomic and Molecular Physics, Chemical and Biological Physics, Mathematical and Computational Physics, Condensed Matter and Materials Physics, String Theory, Cosmology, Gravitation and Relativity, Fluid and Plasma Physics, Physics Education, Photonics and Optics, Health and Medical Physics, Atmospheric, Geo, Nuclear and High Energy Physics, Physics in Africa, Latin America and the Caribbean, Public Policy, K-12 Outreach, GRE Tutorial, Career Planning Workshop, Alternative Careers for Physicists, Applying to Graduate School, Success in Graduate School, Summer Internships, Fellowships and Scholarships, Personal and Professional Skills, Oral Presentations, Problems Solving Clinics, and Teaching Workshop for Graduate Students. Contact Dave Ernst, david.j.ernst@vanderbilt.edu.



2006 Physics Active Learning Workshops, Institutes and Courses

ACTIVITY BASED PHYSICS FACULTY INSTITUTES

Are you interested in increasing your students' understanding of the physical world? 2-year college, 4-year college and university faculty are invited to attend one of the NSF-sponsored Activity Based Physics Faculty Institutes to be held at Dickinson College, summer 2006 and at the University of Oregon, summer 2007. These one week institutes will encourage faculty to use active learning strategies and computer-based

tools and curricula—based on physics education research—in their introductory physics courses by

- 1) giving them hands-on experience with the materials in the Activity Based Physics Suite,
- 2) assisting them with modifying those materials for use in their own courses, and
- 3) providing continued follow-up support for the five years of this project.

The institutes will be taught by Priscilla Laws (Dickinson College), David Sokoloff (University of Oregon), Ronald Thornton (Tufts University) and Patrick Cooney (Millersville University). Faculty from doctoral/research universities and from institutions that serve under-prepared and under-represented populations, are especially encouraged to apply. Expenses on campus will be paid, and travel grants are available for those who demonstrate need. For information:

<http://darkwing.uoregon.edu/~sokoloff/abpi.htm>,

Research Profile: Angel E. Garcia

Dr. Angel Garcia is both the Senior Constellation Chaired Professor of Biocomputation and Bioinformatics and a Professor of Physics, Applied Physics, and Astronomy at Rensselaer Polytechnic Institute. He has a Ph.D. in Theoretical Physics from Cornell University, and BS and M.S. degrees from the University of Puerto Rico, Rio Piedras. His interests are on theoretical and computational aspects of biomolecular dynamics and statistical mechanics to understand the folding, dynamics and stability of biomolecules. He has developed a method for extracting dynamical coordinates to describe biomolecular fluctuations, and applies them to study protein folding, binding and amyloid formation.

NSHP congratulates Dr. Garcia for his successful career!



News you can use

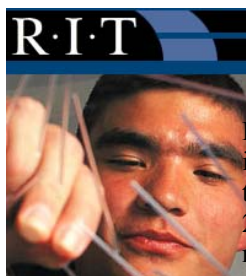
Mayan astronomy experts needed

The Chabot Space and Science Center in Oakland, California is putting together a traveling planetarium program on the contributions of the Maya to astronomy, and is looking for guest speakers to give talks as part of this program in Miami, Houston, Denver, Salt Lake City, Pittsburgh, Albuquerque, Santa Barbara and Oakland. If interested please contact Keivan G. Stassun, Asst. Professor of Astronomy, Vanderbilt University, phone: 615/322-2828.



Duke University Graduate Program In Medical Physics

The program is built from physicists already in Radiology, Radiation Oncology, and Radiation Safety, as well as in Physics and Biomedical Engineering. Deadline for accepting applications is December 31, 2005. For more information: <http://www.pet.mc.duke.edu/mp/dukempflyer.pdf>



Faculty Position, Rochester Institute of Technology

The Department of Physics at the Rochester Institute of Technology invites applications for one tenure-track position beginning September 2006 in the areas of biological physics, nanotechnology, condensed matter physics, optics or physics education research. Contact Faculty Search Committee, Department of Physics, Rochester Institute of Technology, 54 Lomb Memorial Drive, Rochester, NY 14623-5604. Descriptions of RIT and the Department of Physics are located at <http://www.rit.edu/~physics/>.

CALIFORNIA STATE UNIVERSITY FULLERTON

ASSISTANT PROFESSOR OF PHYSICS

Experimental Nanophysics or Optical/Magnetic Properties of Condensed Matter.

Contact: Department of Physics, California State University, Fullerton, CA 92834-6850 by January 15, 2006. For additional information: <http://chaos.fullerton.edu>.



Medical Physics at 2006 APS and NSBP annual conferences

NSBP and NSHP are inviting faculty and students, especially from minorities, to submit abstracts for two events in the area of Medical Physics:

1. The joint NSBP and NSHP annual spring meeting to be held in San Jose, CA on February 15-18, 2006; and
2. The American Physical Society (APS) annual spring meeting to be held on March 13-17, 2006 in Baltimore, MD.

Application forms can be downloaded at the APS MED 2006 website <http://www.jlab.org/~gueye/NSBP/APS06/> and should be sent via email to gueye@jlab.org.

UTD THE UNIVERSITY OF TEXAS AT DALLAS

Dean, School of Natural Sciences and Mathematics at The University of Texas at Dallas

UTD seeks nominations and applications for the position of Dean, School of Natural Sciences and Mathematics (NS&M). The School consists of the Departments of Molecular and Cell Biology, Chemistry, Geosciences, Mathematics and Statistics, Physics, and Science and Mathematics Education. Contact: Search Committee for Dean of Natural Sciences and Mathematics, The University of Texas at Dallas, 800 West Campbell Road, Room AD 2.108, P. O. Box 830688 – AD 23, Richardson, Texas 75083-0688

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>.