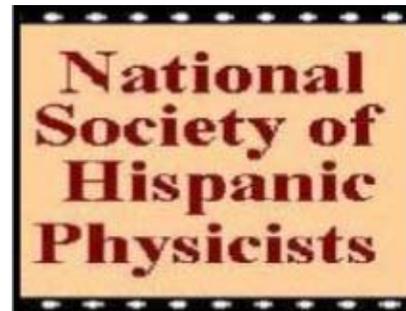
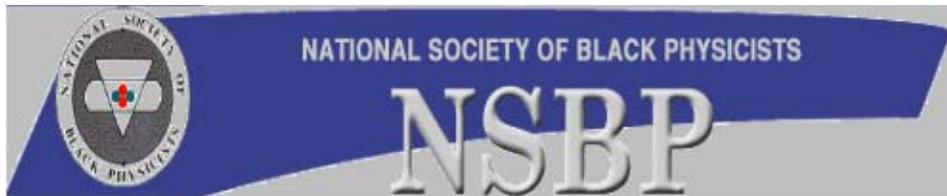


# The Hispanic Physicist

The Newsletter of the National Society of Hispanic Physicists

Year 8

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## 2005 Annual Conference of the National Society of Black Physicists, National Society of Hispanic Physicists and Black Physics Students

The meeting will be held at the hotel Disney Coronado Springs Resort, Orlando, FL. Wednesday, February 16 - Saturday, February 19, 2005. The annual conferences bring together over 500 African American and Hispanic American physics students and professionals. This conference will have a student and education support program as well as a scientific program. Some of the topics to be discussed are: Theoretical physics, Computational physics and numerical analysis, Biophysics, Health Physics, Medical Physics, Atmospheric physics, Geophysics, Nuclear physics, and High Energy physics. Full travel support is available for undergraduate and graduate students. Travel support for students is automatically considered upon registration. Limited support is available for postdoctoral researchers and faculty. For more information visit: [http://nsbp.org/cgi-bin/nsbp.cgi?page=annual\\_conference](http://nsbp.org/cgi-bin/nsbp.cgi?page=annual_conference).

## 11th annual Institute on Teaching and Mentoring



The Compact for Faculty Diversity Eleventh Annual Institute on Teaching and Mentoring was held in October in Atlanta, Georgia; Raul Armendariz, NSHP's student representative, tell us his impressions.

The Institute is the largest gathering of minority doctoral scholars in the country and has the goal of increasing the number of minority college and university faculty. This year it attracted 885 attendees which included graduate students, minority program, university administrators, faculty members, graduates and undergraduate students.

On the Institute I learned that to be competitive for tenure track posi-

tions, a postdoctoral experience is necessary, as well as demonstrated leadership in research and potential to receive external funding. For many the postdoctoral experience does not sufficiently help to obtain such a position. In some cases the smaller physics programs seek good teachers who understand current research on how people learn and how to involve undergraduates in research. Although it is not usually specified, most departments seek to hire a graduate who they perceive to be a "good fit" with the department, the university, and the community. Knowing in advance the qualities that a department really wants in a potential faculty member can help tremendously as one seeks a faculty position. I encourage doctoral students interested in teaching at a college or university to attend the Compact for Faculty Diversity Institute on Teaching and Mentoring. For further information contact The Southern Regional Education Board (SREB) Doctoral Scholars Program, 592 Tenth Street, NW, Atlanta, GA 30318-5790, (404) 875-9211; [www.sreb.org](http://www.sreb.org)

## Research Profile: Rodolfo Gambini

Rodolfo Gambini became the first Uruguyan scientist to be awarded a Third World Academy of Science prize. The award was presented in Trieste Italy in November. The prize ranks among the highest scientific accolades given to scientists in developing countries, and carries an award of \$10,000. Dr. Gambini works at the Universidad de la Republica in Montevideo, Uruguay, and is a specialist in Gauge theory. Earlier, Gambini worked at the Simon Bolivar University in Caracas, Venezuela, where, together with Antoni Trias, developed new theories on the mathematical interpretation of gauge theory based on its representation as a series of geometric loops. Since his return to Uruguay, Gambini has also been instrumental in rebuilding the country's physics infrastructure.



### News you can use



**RIA – related jobs:** The Rare Isotope Acceleration web page, <http://www.orau.org/ria/>, now lists RIA related jobs, that go from research associate, faculty, and postdoctoral positions to instructor.

### Annika Rodriguez Scholars Program

Washington University invites applicants to the Annika Rodriguez Scholars Program.



Multiple full-tuition scholarships with a \$2,500 annual stipend will be awarded for four years of undergraduate study. The deadline for applying is January 15, 2005. For more information, please call (800) 638-0700, (314) 935-6000, <http://www.wu.stl.edu/>

**APPT to host job fair** The American Association of Physics Teachers will host a Job Fair to be held in conjunction with the Winter Meeting in Albuquerque, NM



Jan. 10-11. The Job Fair is for Physicists, Astronomers, Physics/ Physical Science Educators, and College Students/Grads. More information: [www.aapt.org/jobfair](http://www.aapt.org/jobfair)



### TSGC Graduate Fellowships

The Texas Space Grant Consortium Fellowship Program is to encourage graduate study in the fields of space science, engineering, and other NASA fields. The application deadline is Feb. 18, 2005. See: <http://www.tsgc.utexas.edu/grants/2005/fellowships/>

### APS/IBM research Internship

The American Physical Society and IBM will co-sponsor a research internship program for undergraduate women in physics and related fields in the summer of 2005. The internships will have the opportunity to work with a mentor at one of three IBM research locations. Deadline: Jan. 31, 2005 For more details see: <http://www.aps.org/educ/cswp/ibmintern.cfm>



### Linz Winter Workshop

The Institute for Biophysics at the University of Linz and Molecular



Imaging Corporation will organize the workshop in Feb. 4-7, 2005 at Linz, Austria. For more information see: <http://www.molec.com/linz.html>.



### TWO ASSISTANT PROFESSOR POSITIONS IN MATERIALS AND COMPUTATIONAL SCIENCE AT UTEP

The University of Texas at El Paso invites applications for 2 tenure track assistant professor appointments in Physics in the areas of Materials Science and Computational Science. The candidates will play a significant role in our interdisciplinary Ph.D. program in Materials Science and Engineering, upcoming interdisciplinary Computational Sciences and Engineering, NSF funded Materials World Modules grant, and will assume teaching responsibilities in the Physics Department. Candidates should have a Ph.D. in Physics or related field, have a strong research background, demonstrated interest in undergraduate and graduate education, and be committed to establishing a research program. Send applications with CV, teaching philosophy, research proposal, and 3 letters of reference to: Faculty Search Committee, Department of Physics, UTEP, El Paso, Texas 79968-0515 or by e-mail to [physics@utep.edu](mailto:physics@utep.edu). Screening of applicants begins immediately and will continue until position is filled.

**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](mailto:jorgelopez@utep.edu), <http://physics.utep.edu/nshp/nshp.html>, and <http://hispanicphysicists.org>.