

The Hispanic Physicist

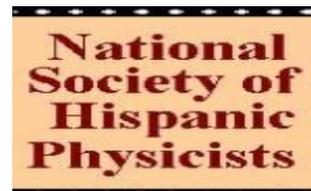
The Newsletter of the National Society of Hispanic Physicists

Year 8

June 2004



Winter 2005 Meeting of the AAPT to be held jointly with the NSHP



The winter 2005 Meeting of the American Association of Physics Teachers will be held jointly with the NSHP in Albuquerque January 8-12. Approximately 1,000 physics educators will participate in workshops and attend sessions on teaching and studying physics, physics outreach, and physics research. The theme of the meeting will be "World Physics" to kick off the World Year of Physics, 2005. Special sessions on Einstein to celebrate his "miraculous year" of 1905 and his three great papers (Special relativity, the photoelectric effect and Brownian motion) of that year.

The NSHP will be helping organize sessions and workshops of particular interest to Hispanic teachers and students. Members of NSHP may attend the conference at the reduced rate of AAPT members. Other people interested will need to pay the non-members rate. Both full conference and 1-day registrations will be available. More information can be found in the AAPT web site at <http://www.aapt.org/>. Also contact NSHP's Juan Burciaga: juburciaga@vassar.edu. **See you there!!**

Hispanic APS Fellows

The nominations are in! How many Hispanics have been nominated for APS fellowships this year? No one knows for sure, but looking back at

recent awards it is guaranteed that several will be strong competitors for this prestigious recognition. Among the five Hispanic recognized in 2002, we remember Marcela Carena and Tomas Diaz de la Rubia. Last year three Hispanics, Ricardo Alarcon, Antonio Castro Neto, and Carlos Trallero Giner, received this prominent acknowledgement from APS.

It is never too early to submit a nomination. **Nominate those deserving Hispanic colleagues you know!**

Marcela Carena

Fermi National Accelerator Laboratory

Citation: For her outstanding contributions to the physics of Higgs bosons and Supersymmetry.

Nominated by: Particles & Fields



Ricardo Alarcon - Arizona State Univ.

Citation: For outstanding contributions to, and leadership in, the development of instrumentation for experiments investigating the fundamental properties of nucleons and few-body systems.

Nominated by: Nuclear Physics



Tomas Diaz de la Rubia

Lawrence Livermore National Laboratory

Citation: For his contributions to multi-scale modeling of materials and seminal research on defect processes in solids under irradiation or high strain-rate conditions.

Nominated by: Computational Physics



Antonio H. Castro-Neto

Boston University

Citation: For contributions to the theory of strong correlations, fluctuations, and inhomogeneities in high temperature superconductors and quantum magnets.

Nominated by: Condensed Matter

Carlos L. Trallero-Giner

University of Havana, Cuba

Citation: For path breaking efforts bringing Cuban and American condensed matter physics into cooperative working relationships and advancing our knowledge of Raman Scattering and polar modes in nanostructures.

Nominated by: Forum on International Physics





Dr. Michael Ruiz receives the 2004 UNC Board of Governors Award for Excellence in Teaching

On May 14 Dr. Michael Ruiz received the 2004 UNC Board of Governors Award for Excellence in Teaching at the Asheville campus. Dr. Ruiz has taught at UNCA since 1978, serving 21 years of that time as Chair of the Department of Physics. He has dedicated much time, talent and effort into using the web in teaching his classes and interacting with his students. This resulted in a feature on CNN showcasing his pioneering work on e-texts. Congratulations!

Hispanic student featured in Chemical and Engineering News



As an undergraduate, Adrian Barojas participated in many summer research experiences at James Madison University and other universities. This made him to appear in the May 3, 2004 issue of the Chemical and Engineering news in an article related to the importance research experiences for undergraduate students. Barojas also appeared in a Discovery Channel movie when he participated in a REU at U. of Cincinnati Avery Point. Barojas graduated from James Madison University in 2003 and is now working at the US Pharmacopea.

News you can use

16th Annual NASA Planetary Sciences Summer School



Applications are now being accepted for the 16th Annual NASA Planetary Sciences Summer School. At least one session will be held August 2-6, 2004, at the Jet Propulsion Laboratory in Pasadena, California. The school is intended for science and engineering graduate and post-doc students who have a strong interest in careers in planetary exploration. Deadline for applications is June 4, 2004. There is no registration fee. Partial financial support is available to a limited number of individuals. More information and an application form can be found on line at <http://www2.jpl.nasa.gov/pscischool/>.

Internship from The National Transportation Safety Board (NTSB)



NTSB offers Hispanic Americans a wide variety of exciting and career enhancing experiences in the fields of engineering, science and mathematics. Activities include scientific analysis and research, computer programming, naval architecture, materials science, accident "launches," investigation meetings, and human performance and survival issues. Applications are accepted from undergraduate and graduate students enrolled in a degree program. Students should be US Citizens (NTSB may consider non-citizens as student volunteers). For more information contact James A. Arena, Associate Managing Director; NTSB- 490 L'Enfant Plaza East, S.W., Washington, D.C. 20594; arenaj@ntsb.gov. The NTSB looks forward to hearing from Hispanic Americans in the fields of engineering, science, and mathematics that are interested in 90-day (or longer) developmental assignments at any time throughout the year. They will find their time at NTSB to be a rewarding, and thoroughly enjoyable experience that will add much to their future endeavors as scientists, engineers, and leaders in the public service.



National Academies' Christine Mirzayan Science and Technology Policy Internship Program

The National Academies' Christine Mirzayan Science and Technology Policy Internship Program is now accepting applications from graduate and postdoctoral students for its fall 2004 session. The program is designed to engage science, engineering, medical, veterinary, business and law students in the analysis and creation of public policy and to familiarize them with the interactions of science, technology and government. Each intern is assigned to a senior staff member who acts as his or her mentor. The mentor provides guidance and ensures that the intern's time is focused on substantive work and activities. The application deadline is Tuesday, June 1. <http://www7.national-academies.org/internship>

Graduate Research Assistant positions at George Mason University



There are two Graduate Research Assistant positions at George Mason University, Fairfax VA. These GRA are for students pursuing a PhD in Computational Sciences and Informatics. Students wishing to work solving computational materials science problems are sought. Students must be accepted in the PhD program in order to be considered for the GRA. For more information contact Dr. Estela Blaisten-Barojas: blaisten@gmu.edu or visit: <http://scs.gmu.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://physics.utep.edu/nshp/nshp.html>.

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Click here to see
NSHP's budget activity:
<http://physics.utep.edu/physics/nshp/Budget/budget2.jpg>.

National Society of Hispanic Physicists

Annual Membership Fees

To cover your membership fees for the 2004-2005 academic year, please complete and mail this form and send with payment to the address listed below.

1) Membership fee. \$_____

Rates:

- * Regular membership: \$25
- * Student membership: \$10
- * Lifetime Member: \$200
- * Institutional Membership: \$100
- * Institutional Lifetime Membership: \$1000

2) Contribution to the Society (Optional) \$_____

3) Total \$_____

4) Personal Information

Name: _____

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Send payment (make check to NSHP) and this form to:

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Thanks for your support!