

The Hispanic Physicist

The Newsletter of the National Society of Hispanic Physicists

Year 15

September 1, 2011



GLOBAL COMPETITIVENESS THROUGH DIVERSITY

2011 Joint Annual Conference

of the **National Society of Black Physicists** and the **National Society of Hispanic Physicists**

Wednesday, Sept. 21 - Saturday, Sept. 24, 2011 • Renaissance Hotel • Austin, TX

Registration Deadline: Tuesday, September 5, 2011 Hotel Reservation Deadline: Tuesday, September 5, 2011

<http://www.cvent.com/events/global-competitiveness-through-diversity/event-summary-e4192eb8beab4d8f8937f52664cbda45.aspx>

Keynote speakers:

- Neledi Pandor, Minister of Science, South Africa, "Building Global Partnerships to Enhance Africa's Research"
- Prof. Steven Weinberg, University of Texas, Austin; Nobel Laureate, 1979, "Field Theory and Cosmology"
- Prof. Patricia Reiff, Space Institute, Rice University, "Here Comes the Sun – Space Weather and its Effects"
- Dr. Piers Sellers, Astronaut and Deputy Director, NASA Goddard Space Flight Center, "Getting into Orbit"
- Dr. Aziza Baccouche, AZIZA Films Inc., "Seeking Vision"

Plenary speakers are:

- Edmund Bertschinger, Professor and Chair, MIT (Thursday)
- Alejandro de Lozanne, Professor, University of Texas Austin (Thursday)
- Peter Delfyett, Professor, U. Central Florida, 2011 American Physical Society Bouchet Award (Thursday)
- Franco Einaudi, Director (retired), Earth Sciences Division, Goddard Space Flight Center (Friday)
- Nadya Mason, Professor, University of Illinois (Friday)
- Eric Wilcots, Professor, University of Wisconsin (Friday)

TSAPS/AAPT/SPS Meeting Oct. 6-8, Texas A&M University-Commerce

Abstract submission ends September 9

Registration and abstract submission at:

<http://www.tamu-commerce.edu/physics/2011-APS-Texas-Commerce.html>



Meeting Highlights

- From Molecule manipulation to Dark Matter in the Universe Single Molecule Manipulation, Dr. Ching-Hwa Kiang, Rice University
- The World-Wide Effort to Understand the Visible Matter in Our Universe, Dr. Robert E. Tribble, Texas A&M University

Jorge A. López named SHPE Educator of the Year

Our own Board Member and Communications Officer, Jorge A. Lopez, Shumaker Professor of Physics at the University of Texas El Paso, has won the Educator of the Year Award from The Society of Hispanic Professional Engineers. He will receive the award at the SHPE Annual Conference to be held October 26-30 in Anaheim, CA. Hearty congratulations to Jorge and a big thank you for all he does for our community.

Dave Ernst

More information: <http://conference.shpe.org/shpe2011/awards-show-exhibitors>



News you can use



Multiple Faculty, Positions in Organic Photovoltaics.

Kent State University is seeking highly accomplished individuals to join a multi-disciplinary effort to develop improved organic photovoltaic (OPV) materials and devices. Initially, we are pursuing two coordinated hires at the junior tenure track level, one in the Dept. of Chemistry and Biochemistry and another in the Dept. of Physics. Theorist We seek a theoretical physicist with expertise in organic electronic materials, such as charge transport and photogeneration. Experience with modern quantum computational and analytical techniques is essential. Contact: opvsearch@kent.edu, or mailed to: OPV Faculty Search, Department of Physics, Kent State University, PO Box 5190, Kent, OH 44242. Job #999483



Associate SRF Group Leader, Sr. Research Associate,

CLASSE (Cornell Laboratory for Accelerator-based Sciences and Education) has an opening for the position of Associate Group Leader of the Superconducting Radio Frequency (SRF) Group. The Associate Group Leader will be responsible to the SRF Group Leader for coordinating the manpower, resources, and facilities available to achieve the goals of SRF-based accelerator projects.

This Sr. Research Associate position requires a doctoral degree in physics, applied physics, or engineering sciences, a significant publication list, and at least 7 years of related experience. The candidate must have demonstrated leadership and supervisory experience in managing accelerator or similar projects. A broad range of knowledge of SRF components, design, fabrication, and testing techniques is highly desirable.

Applicants should send their CV, list of publications, and three letters of recommendation to: Dr. Georg Hoffstaetter, Chair, Associate SRF Group Leader Search Committee, Newman Laboratory, Cornell University, Ithaca, NY 14853 USA. Electronic submissions and inquiries may be addressed to search-classe@cornell.edu



Postdoctoral Positions in Astrophysical Sciences, Princeton University

A number of postdoctoral and more senior positions in theory are anticipated, including: the Lyman Spitzer, Jr. postdoctoral position in Astrophysics, the Joint Postdoctoral Fellowship with Carnegie Observatories and Princeton University, positions in plasma theory, extragalactic observational astronomy, and the HATSouth and HATNet programs. For details see <http://www.princeton.edu/astro/resources/job/jo/index.xml>.

Apply via the web at: <http://jobs.princeton.edu> (Requisition Number: 0110530). All applications received by November 15, 2011 will be fully considered, but applications will continue to be accepted until the positions are filled.

Instrument Position Available

Post-Doctoral Research Associate or Optical Design Specialist High-Contrast Imaging and Spectroscopy

Depts. of Astrophysical Sciences and Mechanical & Aerospace Engineering invite applications for a postdoctoral research associate position or specialist position starting Jan. 2012 or later. A Ph.D. in Astronomy, Mechanical and Aerospace Engineering, Optics, Physics, Applied Physics, or a related area is required. The successful candidate will support work in designing and building an infrared integral field spectrograph (IFS) to be used in the high-contrast imaging system at the Subaru Telescope on Mauna Kea, HI. We are looking for an excellent experimentalist with laboratory optics and infrared instrumentation experience. The successful candidate will aid in the design and assembly of an advanced integral field unit that will interface with the HiCIAO instrument and the new extreme adaptive optics system. Appointments are for one year, renewable annually based on satisfactory performance and available funding. Applications will be accepted until the position is filled. Applicants should apply online at <http://jobs.princeton.edu> with their vitae, including a list of publications and presentations, a summary of research accomplishments and interests, and contact information for at least three potential references.

Tenure-track assistant professor Experimental condensed matter physics



The appointment begins in fall 2012.

The successful candidate should show a strong commitment to research and teaching. Send research and teaching statements, a CV, and the names of three references to cmsearch@phy.duke.edu. Applications, including letters, received by November 15 will be guaranteed consideration.

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>.