

From: Lopez, Jorge jorgelopez@utep.edu
Subject: NSHP News: July 20, 2011
Date: July 20, 2011 at 5:57 PM
To: undisclosed-recipients;

The Hispanic Physicist

A news service of the National Society of Hispanic Physicists

Please send news, congratulations, etc. to

Dr. Jorge A. Lopez, jorgelopez@utep.edu

or upload job opportunities in our web site: <http://www.hispanicphysicists.org>

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1. Invitation to NSHP-NSBP Joint Annual Conference



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

INVITATION (Reminder)

The Joint Annual Conferences of the National Society of Black Physicists and the National Society of Hispanic Physicists, sponsored by the National Science Foundation, the University of Texas at Austin, and the Southeastern Universities Research Association, will bring together over 600 African American and Hispanic American physics students and professionals. This conference has a cutting-edge scientific program as well as a student professional development program that includes mentor-protégé match-making and a recruiting fair.

The NSBP/NSHP annual conference is the largest gathering of African American and Hispanic American physicists and physics students in the world.

American and Hispanic American physicists and physics students in the world. The conference thus offer recruiters unparalleled opportunities to interact with and recruit talented students, internship/fellowship candidates, researcher collaborators and other program participants.

Very best regards,

Peter J. Delfyett
President, NSBP

Luz Martinez-Miranda
President, NSHP

WHEN: Wednesday, September 21, 2011 12:00 PM - Saturday, September 24, 2011 9:00 PM
Eastern Time Zone

WHERE Renaissance Austin Hotel
9721 Arboretum Boulevard, Austin, TX 78759USA

Attire Business Attire

[View Event Home Page](#)

[View Event Agenda](#)

RSVP Tuesday, September 06, 2011

Please respond by clicking one of the buttons below



Having trouble with the link? Simply copy and paste the entire address listed below into your web browser:
<http://www.cvent.com/d/myVKn2rfH0eATLAp9jT8ZQ/1j0v/P1/1Q?>

If you no longer want to receive emails from Conference Registration Team please click the link below.

[Opt-Out](#)

2. Student support for NSHP Annual Conference, Austin, Sept. 21-24, 2011

NSHP has limited funds to support transportation, hotel, and most meals, students have to pay only the registration fee. We have reduced registration for groups of students, so we recommend you try to assemble a group, do not wait until the last minute to submit your list of students. We unfortunately do not have any travel support for faculty.

For info on the conference see previous entry in this mailing, or:

<http://www.cvent.com/events/global-competitiveness-through-diversity/event-summary-e4192eb8beab4d8f8937f52664cbda45.aspx?i=9f4a259b-df6a-471f-804c-b029f634fc65>

Direct questions to Sheryl Brannon, sbrannon@spi-meeting.com.

3. New I3 solicitations from the Department of Education.

Two recent news items from the U. S. Department of Education:

- The new Invest In Innovation (I3) grant is was released last week. Details are online at <http://www.ed.gov/news/press-releases/second-round-i3-provides-150-million-continue-scaling-validating-and-developing->. This competition is for \$150M, and this year we've added an absolute priority for programs that focus on STEM education.

- We need STEM-knowledgeable reviewers for our competition. Details are online at <http://www2.ed.gov/programs/innovation/2011/call-for-peer-reviewers.html>. It's crucial we get a large pool of top-notch reviewers, so please pass this information out to your networks, members, and colleagues.

4. 2012 Professional Skills Development Workshops for Women Physicists

The American Physical Society, with support from NSF, will host two Professional Skills Development Workshops in 2012 for female physicists. Postdoctoral associates and senior-level faculty and scientists are invited to apply for the February 26, 2012 workshop in Boston, MA. Postdoctoral associates and early-career faculty and scientists are invited to apply for the March 30, 2012 workshop in Atlanta, GA. Senior graduate students are also welcome to apply.

Applicants affiliated with a US institution/facility are eligible for travel and lodging funding consideration. Those needing funding assistance are encouraged to apply early. The deadlines for the workshops and a link to the online application can be found at:

<http://www.aps.org/programs/women/workshops/skills/>

5. Workshop for Underrepresented Postdocs & Late Stage PhD students in Sci & Eng

This workshop provides a unique opportunity for prospective faculty to learn from faculty leaders across science, engineering, and psychology. The informal format allows participants and faculty to interact, relax, build relationships, and learn from each other. In addition to learning invaluable skills and perspectives, workshop participants receive feedback about their technical presentations and have individual meetings with department chairs and senior faculty at Rice University.

Those selected to participate in the workshop will have their hotel stay (two per room) and meals during the workshop covered. Participants will also receive a travel stipend of up to \$200 for airfare and /or mileage expenses.

Part of the application process is the option to be included in Rice University's NSF ADVANCE Program's National Database of Underrepresented PhD students and Postdocs. This database is a way for underrepresented PhDs and Postdocs to have their application information accessible not only to Rice University departments, but to other institutions nationally and internationally who have active faculty searches. Information about the database has been sent to over 700 faculty in schools of natural sciences, engineering, and psychology. If you are applying for the workshop and wish to be included in the database, check the appropriate answer in the application.

Apply online: <http://www.advance.rice.edu/applicationform.aspx>.

6. DePaul University invites applications for a visiting professor in physics

DePaul University invites applications for a visiting professor in physics, to begin September 2011. This is primarily a teaching position, with minimal support for research activity. The successful candidate will be responsible for teaching laboratory and lecture courses, primarily for non-science majors, with a typical class size being 20-60 students. Applicants should electronically submit a curriculum vitae, a cover letter, and a discussion of teaching experience and interests (focusing on courses for non-science majors).

To apply, please visit the following URL:

facultyopportunities.depaul.edu/applicants/Central?quickFind=50782

The names and contact information of three references should be sent to: Jesús Pando, Chair, Department of Physics, DePaul University, 2219 North Kenmore Avenue, Chicago, IL 60614. Review of applications will begin immediately. Further information about the department can be found at <http://las.depaul.edu/physics/>. DePaul University is an equal opportunity employer. Women and members of minority groups are particularly encouraged to apply.

Jesús Pando
Associate Professor and Chair
Department of Physics
DePaul University
(773) 325 - 4942 (voice)
(773) 325 - 7334 (fax)

7. Ernst wins SACNAS Distinguished Professional Mentor Award.

David Ernst, our own Past President and a Professor at Vanderbilt and Adjoint Professor at Fisk, has won the 2011 Distinguished Professional Mentor Award given by the Society for the Advancement of Chicanos and Native Americans in Science (SACNAS). He is cited for his efforts at mentoring individual students, particularly minority students, and for his work with NSHP (he is a co-founder, long term secretary, and has gone through the presidential line), with SACNAS (he has organized sessions, served as a mentor, and coordinated NSHP's role in the SACNAS annual conference since 1996), with the National Society of Black Physicists (NSBP) (he built the alliance that led to the Joint Annual Conference and is a fellow of NSBP), and with the Fisk- Vanderbilt Masters to PhD Bridge Program (he is a co-founder and remains one of the leaders of this program that is making Vanderbilt the number one producer of minorities who receive a PhD in physics

making Vanderbilt the number one producer of minorities who receive a PhD in physics, astronomy, and material sciences and has already made Fisk the number one producer of minorities receiving Masters degrees in physics).

Congratulations Dave!

8. Nominate candidates for APS' FIP positions

The Executive Committee of the Forum on International Physics consists of 13 voting members. The following positions become vacant beginning January 2012:

- 1) Vice-Chair
- 2) Two Members-at-Large

The purpose of this message is to invite you to nominate candidates for these positions. If you wish to review the current make up of the FIP Executive Committee, please go to:

<http://units.aps.org/units/fip/>

Noemie Koller, Past Chair of the Executive Committee, serves as Chair of the Nominating Committee. Submit nominations directly to her (nkoller@physics.rutgers.edu). Nominations will close on July 15, 2011.

Nominators: please verify that the nominee has agreed to be a candidate before you send in the nomination. WE URGE YOU TO USE THE FORM BELOW (also posted on the FIP web site).

For further information concerning the Bylaws and duties of Forum Officers, see the FIP web site accessible from the Membership link on the APS web site or <http://www.aps.org/units/fip/governance/bylaws.cfm>

The new Executive Committee members will be expected to participate in the activities of the FIP. Chief among these is the annual meeting of the Executive Committee - usually held in conjunction with the APS March or April Meetings. If you or you nominee have any questions regarding FIP and the election process, please contact me (734-647-1834; nmirkin@umich.edu).

The Nominating Committee will identify the candidates from the list of nominees, and you will then have an opportunity to vote your preference.

Get involved!!

Noemi Mirkin
Secretary/Treasurer FIP

9. "Materials Girls," Conference for Undergraduate Women in Physics (WoPHY '11).

You and your outstanding students are invited to attend "Materials Girls," the [Conference for Undergraduate Women in Physics](#) (WoPHY '11). We invite all undergraduate and graduate students with research interests in all areas of physics, chemistry, materials engineering, or related disciplines. WoPHY'11 will be held Thursday, October 20 - Saturday, October 22, 2011 on the campus of the [University of Nebraska, Lincoln](#)

Saturday, October 22, 2011 on the campus of the [UNIVERSITY OF NEBRASKA-LINCOLN](http://www.unl.edu).

Participants will have the opportunity to:

- Present research accomplishments to peers and the academic community
- Attend scientific talks given by invited physicists
- Learn about recent trends in condensed matter physics and materials science
- Participate in graduate school preparation workshops
- Interact with physics students and faculty from other universities
- Tour facilities and labs, including the Nebraska Center for Materials and Nanoscience

The WoPHY'11 steering committee is asking for your help. We're seeking nominations of outstanding undergraduate researchers to invite to present their research projects and results during invited talks. (Other participants will have the opportunity to present research during poster sessions.) Please submit nominations to the steering committee by e-mailing Verona Skomski at vskomski3@unl.edu. Detailed instructions for [nomination](#) can be found online. We hope you'll encourage your undergraduates to consider attending this event and especially encourage the women in your department to attend.

[Registration for WoPHY'11](#) is available online as well as details about the location and accommodations. There is **no registration fee** and travel scholarships are available for undergraduates who present a poster.

We encourage you to visit the [WoPHY'11 conference website](#) and to forward this announcement as you see fit. We look forward to your attendance and welcome any questions that you may have.

10. Luncheon, L'oreal Fellowship for women in science award, Sept. 15, 2011

SAVE THE DATE

L'Oréal USA
Fellowships For Women In Science Awards Luncheon

Join us in celebration of five exceptional
women scientists who are helping to change the world

Kennedy Caucus Room 325
Russell Senate Office Building
Washington, DC

Thursday, September 15, 2011
12:00 PM – 2:00 PM

Formal Invitation to Follow



11. Permanent position, experimental nuclear physics, RIKEN.

The Radioactive Isotope Physics Laboratory in RIKEN Nishina Center for Accelerator-Based Science invites applications for a permanent position in experimental nuclear physics. Candidates must exhibit a promise for excellence in research. The successful candidate will be expected to establish an internationally recognized research program at the RIBF facility.

The dead line of application submission is 16th September.

Details on application documents are found at http://www.riken.jp/engn/world/info/recruit/k110916_e_rnc_2.html

12. Sr. Research Associate I, RF Group Head, CLASSE, Cornell U.

The Head of the CLASSE RF group will be responsible for the RF systems of the four CLASSE accelerators and for the R&D program in RF associated with future ventures.

Currently the primary research program centers on the Energy Recovery Linac design and development.

The operating accelerator RF systems comprise both normal conducting and superconducting systems and encompass S, L and UHF bands. The successful candidate will supervise engineers and technicians and be involved in establishing RF R&D activities as needed to support current and future accelerator projects. The successful candidate will have experience in RF design, construction and operation. Knowledge of the beam-cavity interaction and its impact on the corresponding RF system design is desirable.

A PhD in Electrical Engineering or Physics and at least seven years experience in high power RF systems and the low level RF systems that regulate them is required. Must be a leader in the field with significant publication list.

Please send a cover letter, including curriculum vitae and a publications list to Professor Greg Hoffstaetter, Neuman Laboratory, Cornell University, Ithaca, NY 14853, and

Georg von Stauder, Newhall Laboratory, Cornell University, Ithaca, NY 14853, and arrange for three letters of recommendation to be sent. Correspondence may be directed to search-classe@cornell.edu. Cornell University is an equal opportunity, affirmative action educator and employer.

13. New Diversity Web Magazine

“Mega Diversities, Knowledge by any means necessary”, www.megadiversities.com

Contact: Patricia Turnier, Editress-in-Chief and Legalist, LL.M (Master's degree in Law), pturnier@hotmail.com

14. Junior faculty position, experimental nuclear physics, Yale University

The Department of Physics at Yale University invites applications for a junior faculty position in the area of experimental nuclear physics, broadly defined. The successful candidate will join an active group of experimentalists and theorists conducting research in neutrino oscillations, dark matter searches, nuclear structure, nuclear astrophysics, and relativistic heavy ion physics, using world-class facilities on the Yale University campus and elsewhere. We are especially interested in candidates whose research program is in weak interaction physics. Yale faculty are expected to lead internationally recognized and forefront research programs.

An appointment at the Assistant Professor level is expected, although in exceptional cases, an appointment at the level of Professor could be considered. Applicants are encouraged to apply online at <https://academicjobsonline.org/ajo/jobs/765> and must submit a letter of application (pdf format), curriculum vita, publication list, and a brief description of proposed research. Applicants should also arrange for 3 letters of recommendation to be uploaded to the same URL (which can happen only after the applicant has created a profile). For further information about the position, contact Professor Keith Baker, Chair of the Nuclear Physics Search Committee (keith.baker@yale.edu) or Professor Meg Urry, Chair of the Physics Department (meg.urry@yale.edu). Applications that are complete by November 1, 2011 will be assured of full consideration.

15. Africa Materials Research Society Meeting, Dec. 11-16, Zimbabwe

The 6th Africa Materials Research Society biennial Conference will be held in picturesque Victoria Falls, in western Zimbabwe December 11-16, 2011. For more information see <http://www.africamrs.co.za>.

16. Nominate colleagues for APS committees

The APS committees listed below play a major role in guiding the Society's activities. At the end of each year, about a third of the members of these committees finish their terms and the APS Committee on Committees seeks nominations for their replacements. I am writing to urge you to nominate APS members who in your opinion have the necessary expertise and interest. A description of each of these committees is available from the online nomination form. Please feel free to nominate yourself.

Publications Oversight Committee
Careers & Professional Development
Constitution & Bylaws
Fellowship
Membership
Education
Minorities in Physics
Meetings
Status of Women in Physics
Investment
Physics Policy Committee
International Freedom of Scientists
International Scientific Affairs
Historical Sites Committee
Committee on Informing the Public

Please send your nominations to the Committee on Committees by using the online form at

<http://www.aps.org/about/governance/committees/nominations.cfm>

It is vital that you provide as much information as you can about the person you are nominating, particularly your statement regarding what strengths this person has that will be valuable to the committee. If you prefer not to use the web form, you may instead send an email message to Ken Cole, governance@aps.org identifying the person you are nominating, providing a couple of paragraphs of background on the individual and stating why you feel the nominee is particularly well suited for the position. Background information and your endorsement is extremely important for members of the Committee on Committees who might not be familiar with your nominee.

17. Postdoctoral position sought in Computational Materials Science

Luis Cota (lgcota@gmail.com), currently at Mexico's UNAM is looking for a postdoctoral position in computational material science.

Some highlights of Cota's CV:

- Computational Materials Science researcher and university instructor, with good programming skills, analytical and detail-oriented thinking. Fluent in English.
- Research experience: Structural and diffusional computer simulation studies of silica and alkaline silicates, especially in the amorphous state. Density-functional investigations of alkaline peroxides. Experimental studies in rheology of lyotropic liquid crystals of tensoactive molecules.
- Areas of strength: Molecular Dynamics simulations, Molecular Mechanics, Monte Carlo, DFT, numerically-intensive algorithm implementation and optimization, high-level language programming (*FORTRAN, C, C++, AWK, PERL, BASH*), high-performance computing, cluster management, virtual reality, neutron diffraction theory.
- Education: Ph.D. Physics-Chemical Science, UNAM, (defense to take place in August 2011).; B.S. Chem. Eng. Universidad de Guadalajara, Mexico, 1989
- Relevant work experience: research assistant in Computational Materials Science.

Department of Academic Computing, (DGSCA), UNAM. 1995 – 2003; Virtual Reality programmer. Faculty of Chemistry, UNAM. 2003 – 2004; Instructor of the following regular courses: Introduction to Computer Science, Selected Topics in Computational Physics, and Programming and Simulation of Physical Problems. Faculty of Sciences, UNAM. 2004 – to date.

- Relevant publications:

- L. G. Cota, P. Alonso and P. de la Mora, On the limits of fractal *behaviour in silica. A virtual adsorbates simulation*. *Molecular Simulation* **33** (12), 2005 – 2010. 2007.
- L. G. Cota and P. de la Mora, *On the structure of lithium peroxide, Li₂O₂*. *Acta Crystallographica B*, **61**, 133136. 2005.
- L. G. Cota, G. Vega, R. Correa and L. J. Alvarez, *Determination of Structural Features of Simulated Amorphous Structures by Straightforward Methods*". *Molecular Simulation* **20** (5), 315. 1998.
- Language skills: Spanish (native), English (fluent), German (good), Portuguese (conversational)

Jorge A. López
Schumaker Professor
Physics Dept., UTEP, 915-747-7528

