

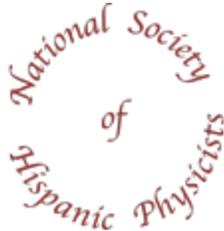


The Hispanic Physicist

The Newsletter of the National Society of Hispanic Physicists

Year 20

Apr. 24, 2017



AAPT/NSHP Joint Meeting San Diego, CA - January 6-9, 2018

The American Association of Physics Teachers (AAPT, <http://www.aapt.org>) and NSHP will be hosting a joint meeting in San Diego January 6-9, 2018. AAPT is the country's premier society of physics educators with the cleanest and greatest focus on the teaching and learning of physics at all levels (K-20). Though NSHP and AAPT have had joint meetings in the past, the most recent was the Winter 2005 meeting in Albuquerque. AAPT meetings have much to offer Hispanic students and faculty who are particularly interested in how to more effectively teach and learn physics. Students who are thinking of physics education at the high school, college or graduate level, or physics education research in general are strongly encouraged to attend. Students who are thinking of teaching at the pre-high school grades are also encouraged to attend. Limited travel scholarships will be available for students and further instructions will be posted on our [website](#) and in this newsletter.

Save the date!



Invite minority speakers for your Departmental seminars for free from APS Minorities Speakers List

The APS Speakers List contain names, contact information, and talk titles of **physicists** who are willing to give talks on a variety of subjects. For more information see here: (<https://www.aps.org/programs/minorities/speakers/>).

Want to invite a Bouchet Award recipient for free? Contact jorgelopez@utep.edu.



Ph.D. graduate students sought by UNM applied electromagnetic group

UNM applied electromagnetic group has several openings for Ph.D. graduate students in the experimental as well as computational plasma physics area (working with LANL), pulsed power, applied EM numerical simulation as well as development of finite element EM codes, antenna design (satellite -AFRL), experimental high power microwaves. Pulsed power, Interferometry and spectroscopy, finite element (CST or HFSS), PIC or hydrodynamic code modeling is a plus albeit not required. There is an english requirement as well as grade point avg requirement. Typical stipends cover full tuition plus a monthly salary, competitive with other universities our size and locale. if you know of anyone interested in this please pass them my email and send me a cv/resume. **Hispanics, Mexicans and Latin American students are welcome.** Contact: Dr. Sal Portillo, UNM, ECE dept., Office: 505-277-1311, Lab: 505-277-4782.



NSHP friend Mildred Dresselhaus dies at 86.

Mildred S. Dresselhaus, MIT professor, was known as the “queen of carbon science” for her pioneering studies in the electronic properties of carbon. Dresselhaus was a Professor Emerita of Physics and Electrical Engineering and Computer Science, and an avid developer of wider opportunities for women in science and engineering. **NSHP members will miss her.**



Children’s Museum looking for volunteer Astronomer or Physicists for Skype conferences

Our Children’s Museum has become the one provider of after-school science programming for new Immigrant Latino families here at the end of Long Island. I have a new Middle school science program for Latino girls , boys and their parents beginning March 27. Our content is astronomy but our goal is to empower our kids and their parents to break through the middle school gatekeepers and prepare their kids for college preparatory classes. All of us live in a remote part of Long Island New York- where we have a paucity of Spanish speaking professionals of any sort, much less scientists, even though Latinos are about 40% of our local population. Many of them of course are in dreadful anxiety about their status here right now. My institution has declared itself a refuge for kids and parents and we are intensifying our programming and offer legal support for families. We have been building these services for seven years now, so our reach is wide.

What I am looking for is an Astronomer/Physicist who could spend 45 minutes with us on a skype conference. Such contact would be a wonderful thing for all of us — but especially the kids. All of these kids are bright and eager to learn and fly. I would need our speaker to be available at 7:30 PM EST on Monday evenings in April or May. Our questions would be- how did she get to where she is? What research interests her? How does she balance her family and her work? What advice would she have for our kids? (Of course it doesn’t have to be a woman). We are fortunate that our Institute of Museum and Library Science grant allows us to offer a small honorarium for this service. Hope you you can help us! Contact: Leah Oppenheimer, Children’s Museum of the East End Director of Outreach, Email: loppenheimer79@gmail.com, Phone: 1-631-848-7043, <http://www.cmee.org/>



Scientist in Residence, Teacher Institute – Exploratorium - San Francisco

The Exploratorium seeks a Scientist in Residence for the Teacher Institute, a nationally recognized teacher professional development program. The Scientist-in-Residence position is designed for a scientist interested in working in an informal education setting and supporting middle and high school science teachers in incorporating inquiry-rich learning in their classrooms. This position will work closely with TI faculty of PhD scientists and veteran classroom teachers in developing and implementing summer institutes and Saturday workshops, working with teachers in the classroom, and creating and delivering online programs. For more information, please visit <http://exploratorium.applytojob.com/apply/kbcuvQOi2a/Scientist-In-Residence?source=NSHP>

The Department of Physics within the Division of Physical Sciences at UC San Diego (<http://physics.ucsd.edu/>) at the University of California, San Diego (UCSD) invites applications for a full-time Assistant Teaching Professor (Lecturer with Potential Security of Employment) position. Lecturers with Potential Security of Employment are Academic Senate members whose expertise and responsibilities center on undergraduate education, as well as the scholarly analysis and improvement of teaching. This appointment can lead to security of employment and is comparable to an assistant professorship. All positions are subject to budget approval.

The successful candidate's primary responsibility will be to develop, revise, update and teach undergraduate lab and lecture Physics courses for life-sciences majors. The candidate will also advance science education beyond UCSD through professional activities such as research in science teaching methodologies, participation in writing textbooks and/or creating on-line teaching materials. The Department is committed to academic excellence and diversity within the faculty, staff, and student body. Salary is commensurate with qualifications and based on the University of California pay scale.

Candidates must have a Ph.D. degree in physics (any area) or a closely related scientific field. In addition, successful candidates will have a record of excellence in undergraduate university-level teaching, and strong writing and interpersonal skills, as well as potential for contributing to a climate that supports diversity, equity, and inclusion. Previous experience with teaching physics to life-sciences majors and/or life-sciences applications of physics is desirable.

Applications should be submitted online at: <https://apol-recruit.ucsd.edu/apply/JPF01350>.

Review of applications will commence on March 6, 2017 and continue until the position is filled. Please submit a cover letter, curriculum vitae, any formal teaching evaluation reports, and a synopsis of teaching experience/philosophy and professional goals. Additionally, candidates must submit a separate statement on past and/or planned contributions to diversity (see <http://facultyexcellence.ucsd.edu/c2d/index.html>), and must arrange to have three to five letters of reference that address teaching, research, and professional service posted to the above website.

Information about spousal/partner employment is available on the Partner Opportunities Program website: <http://academicaffairs.ucsd.edu/offices/partneropp/>.



Postdoctoral Research Staff Member - Nuclear Data & Theory Group - Lawrence Livermore Nat Lab

We have an opening for a Postdoctoral Research Staff Member in the Nuclear Data & Theory Group at Lawrence Livermore National Laboratory. The successful candidate will conduct research on the nuclear many-body problem, with an emphasis on high-performance computing and ab initio approaches to nuclear structure and reactions. At LLNL, research in this area is led by Erich Ormand, Sofia Quaglioni, and Kyle Wendt. Interested candidates are requested to apply for this position (Job ID 101966) by submitting an application to the LLNL application web site: <http://careers-ext.llnl.gov/jobs/6388546-postdoctoral-research-staff-member>

A complete application consists of a curriculum vitae and a brief research statement (in a single document uploaded to the LLNL web site), and contact information for three references. The position is anticipated to start in late summer/early fall of 2017, and is negotiable. For questions or further information about the position, please contact Erich Ormand at ormand1@llnl.gov.

Review of applications will begin immediately and will conclude when the position is filled.

Contact: Erich Ormand, Lawrence Livermore National Laboratory, Deputy Division Leader for Science & Technology, Nuclear and Chemical Sciences Division, P.O. Box 808, L-235, Livermore, CA 94551, E-mail: ormand1@llnl.gov, Phone: (925)422-8194, Fax: (925)422-5940

XIII International Symposium on Radiation Physics

Benemérita Universidad Autónoma de Puebla
Puebla, Pue., México.
May 24-26, 2017

Organizing Committee

Pedro Hugo Hernández, DITCO-BUAP
Efraín Rubio Rosas, CUVyTT-BUAP
Guillermo C. Espinosa, IF-UNAM
Carlos Vázquez-López, CINVESTAV-IPN

International Advisory Committee

Floyd McDaniel, UNT-USA
Luigi Tommasino, CNEA-Italy
Sam Glober, NIOSH-USA
Krishan Kant, APGC-India

Scientific topics

- Radiation Physics
- Environmental Radiation
- Radon and new materials
- Interaction of radiations with materials
- Particle Accelerators
- Radiochemistry
- Radiobiology
- Instrumentation
- Applications

Important dates

March 17, 2017
Deadline to submit abstracts

March 31, 2017
Notification of acceptance

May 26, 2017
Deadline for submit full paper

Conference fee: \$200.00 US Dlls (\$4,000.00 MN)
SMF Membership: \$ 65.00 US Dlls (\$1,300.00 MN)
Total: \$265.00 US Dlls (\$5,300.00 MN)

The presented papers will be published in the Journal of Nuclear Physics, Material Sciences, Radiation and Applications, after a peer review process.

Oficial web page: <http://www.smf.mx/~fr-smf/>

Abstract submission and information

espinosa@fisica.unam.mx

Technical support

Vanessa Mora, CUVyTT-BUAP
Arcadio Huerta, IF-UNAM
José-Ignacio Golzarri, IF-UNAM



After fourteen years of tradition, the XIII International Symposium on Radiation Physics, will be held in Puebla, México, at the Benemérita Universidad Autónoma de Puebla, as the permanent headquarter of the symposium, and you are very welcome to participate. The XIII International Symposium on Radiation Physics will be held from 24 to 26 May, 2017, at the Carolino building of the Benemérita Universidad Autónoma de Puebla, in the colonial city of Puebla, Pue., México. Please consider this Academic event in this year agenda, and prepare to send us your contributions. The papers will be published in the Journal of Nuclear Physics, Material Sciences, Radiation and Applications, in 2017. For more information: espinosa@fisica.unam.mx, Dr. Guillermo Espinosa, Radiation Physics Division, SMF.