



# The Hispanic Physicist

The Newsletter of the National Society of Hispanic Physicists

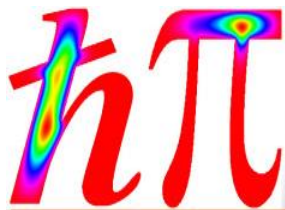
Year 20

Aug 30, 2016

## AAPT Celebrates NSHP's 20<sup>th</sup> Anniversary

The American Association of Physics Teachers helped NSHP celebrate our 20<sup>th</sup> anniversary by holding a reception at the AAPT Summer meeting in Sacramento, July 2016.

NSHP thanks AAPT for the reception and for a long history of good will and cooperation between the two associations.



HISPANIC PHYSICISTS  
PROFILING OUTSTANDING RESEARCHERS



This Month  
JESUS PANDO  
"DARK ENERGY"

Dr. Jesus Pando is a professor of physics at DePaul University in Chicago, and performs research in the area of cosmology. In his English language 2 min radio capsule Jesus talks about dark energy and how cosmology and particle physics have unified. In his Spanish language 18 min interview Jesus talks about his origins and how he became a cosmologist. Dr. Pando has performed research both at DePaul University and at the Observatoire de Strasbourg in France. More current information about Jesus can be found in his [web page](#).

[To listen to the English language 2 min radio capsule click here](#)

[To listen to the Spanish language 18 min interview click here](#)



It is with great sadness that the Board of NSHP passes along the e-mail attached below. It conveys the death of Katherine Gebbie, a great champion of women and minorities in physics and astronomy.

NSBP Board

It is with great sadness that I pass along the news that our dear friend and colleague, Katharine Blodgett Gebbie, passed away today. Katharine spent her career at NIST and was the Director of the Physics and Physical Measurement Laboratories, where she oversaw the work that led to four Nobel Prizes in Physics (Bill Phillips, Eric Cornell, Jan Hall, and Dave Wineland). This achievement was directly due to her management style, which placed the science and scientists above all else. I knew Katharine for 28 years, and can say without a doubt that she was the best manager of a scientific organization that I ever saw. In her words, "get the best people, steer them in the right direction, give them the resources they need, and let them run." She was also a fascinating individual, the niece of Katharine Blodgett, of Langmuir-Blodgett film renown. Katharine credited her aunt with inspiring her devotion to science.

She received a PhD in astrophysics from University College (London), and joined NIST in Boulder as a postdoc. She moved to Gaithersburg in the late 80s and was the only director of the Physics Lab, which was in existence for 20 years. She was known for flying her plane all around the US, even though her father had disappeared while flying a plane over the jungles of Costa Rica while she was an undergraduate at Bryn Mawr.

In addition to her special role at NIST, she had a deep and important relationship with the Physics Department. The existence of the Joint Quantum Institute is in large part due to Katharine. She had seen first hand the success of JILA in Boulder and was enthusiastically encouraging and supported the creation of the JQI in 2006. She maintained a deep abiding interest in the JQI and we are happy to know that she was here to see the success that she was such an important part of. In addition to her connection to the department through the JQI, she was dedicated to working to increase the opportunities in physics for women and under-represented minorities. She was a co-organizer with Donna Hammer and Angie Hight Walker of NIST of a Conference for Undergraduate Women in Physics in 2014, which brought over one hundred undergraduate female physics majors to campus. With Donna and Angie, she was working on a Conference for Undergraduate Minorities in Physics to be held this October, which will be the first of its kind in the country.

Everyone who knew Katharine will miss her and her wry sense of humor. She was a special individual.

Stuart L. Rolston  
Chair, Department of Physics  
Co-Director, Joint Quantum Institute  
University of Maryland

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### Faculty Opening, Biological/Biomedical Physics -Washington University in St. Louis

The Department of Physics in the School of Arts and Sciences announces a tenure-track faculty opening at the Assistant Professor level in the Biophysics sub-discipline. We are searching for an experimentalist, but applications from data-driven theorists will also be favorably considered. We are seeking a candidate who will enhance activities within the Physics Department and develop connections with other Arts and Sciences, Engineering School, and Medical School Departments. The duties of the position will include, but are not limited to, teaching and advising students, conducting original research and publishing the results, and participating in departmental and university service. A PhD in Physics or a closely related field is required, along with the ability to teach a range of traditional undergraduate physics courses in addition to specialized courses. Candidates are sought who have highly visible research achievements and who have a strong aptitude for teaching and mentoring students at the undergraduate and graduate levels. The appointment will begin Fall 2017.



Information on our department can be found at <http://www.physics.wustl.edu>. Applications should consist of the following: cover letter, current resume including publication record, statement of research interests and plans (up to 4 pages), statement of teaching interests and approach (up to 2 pages), and names and complete contact information (including email addresses) of three references. Application materials must be submitted electronically by email as a single file in editable (e.g. not password protected) PDF format to [biophysicssearch@physics.wustl.edu](mailto:biophysicssearch@physics.wustl.edu). For full consideration applications should be submitted on or before **November 1, 2016**.

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### FACULTY POSITION - BROWN UNIVERSITY – IN EXPERIMENTAL CONDENSED MATTER

The Department of Physics at Brown University invites applications for a tenure-track Assistant Professor position in **Experimental Condensed Matter Physics**, starting in the summer of 2017. This position is part of an initiative for further growth in interdisciplinary condensed matter research at Brown University, including the upgraded clean-room microfabrication and electron microscopy facilities in the new School of Engineering building adjacent to the Physics Department. We seek candidates who have the potential to create a vigorous and



sustainable research program at Brown. A strong commitment to teaching at the undergraduate and graduate levels is also required.

Current research in condensed matter physics at Brown is very active across many topics, including strongly correlated electronic systems, spintronics, quantum liquids and solids, superconductivity, nanoscale physics, ultrafast and quantum optics, semiconductor physics and devices, and soft condensed matter. Candidates planning to pursue other condensed matter subfields are also strongly encouraged to apply.

Application materials including a curriculum vita, a statement of research and teaching plans, and three letters of recommendation should be submitted electronically to [apply.interfolio.com/35812](mailto:apply.interfolio.com/35812). Inquiries about this position should be directed to [Phys-search@brown.edu](mailto:Phys-search@brown.edu) or to **Prof. Vesna Mitrovic, Chair of Condensed Matter Physics Search Committee, Department of Physics, Box 1843, Brown University, Providence, Rhode Island 02912**. Applications received by December 1, 2016 will receive full consideration.

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### Faculty Position in Nuclear Physics at Rutgers, the State University of New Jersey

The Department of Physics and Astronomy at Rutgers, The State University of New Jersey, invites applicants for a tenure-track Assistant Professor position in experimental, theoretical or computational Nuclear Physics. For an exceptional candidate, appointment at a more senior level may be considered. Applicant must have a Ph.D. degree and an outstanding record of research and publication, preferably related to current research areas in the department, including QCD studies (relativistic heavy ions, structure of hadrons, neutrino scattering, and QCD and nuclei) and nuclear structure, reactions and astrophysics. The successful candidate will be expected to establish an independent research program that will attract external funding, and should be strongly committed to teaching. A start date on or after 1 September 2017 is anticipated.



Applicants should apply online via Interfolio at <http://apply.interfolio.com/36532>, providing a cover letter, a CV including list of publications, a statement of research plans, and a teaching statement, and should also arrange for three letters of recommendation to be requested and uploaded via Interfolio. For full consideration, applications should be received by 15 November 2016.

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### SSRL / LCLS Annual Users' Meeting & Workshops

The joint [Stanford Synchrotron Radiation Lightsource \(SSRL\) and Linac Coherent Light Source \(LCLS\) Users' Conference](#), October 5-7, 2016, brings



together the lightsource community in a single scientific event that includes numerous presentations in plenary, poster and parallel sessions. Participants will be able to learn about current/future facility capabilities and the latest user research results as well as to discuss science with colleagues from academia, research laboratories, and industry worldwide. In addition to the plenary session, several workshops will be arranged:

#### Wednesday, October 5, 2016

- High Throughput Serial MX Data Collection at Synchrotrons and FELs
- Hybrid Methods and Dynamics in Structural Biology
- LCLS-II Instrumentation Workshops NEH 1.x & NEH 2.x (Parallel Workshops)
- Discovering Functional Materials Faster
- LCLS Data Analysis and Interface Hands-on Analysis Tutorial (PM)

#### Friday, October 7, 2016

- Electrochemical Energy Materials and Fundamental Studies using Synchrotron X-rays
- In-Situ Catalysis with Advanced X-Ray Methods
- Sample Delivery: Methods & Equipment (AM)
- SAXS for Biological Characterizations & Software Tutorial
- Nonlinear X-rays - Advanced Methods and Science Applications (AM)
- Analysis of xFEL scattering data from Biomolecules and Nanoparticles (PM)
- Timing and Synchronization of X-ray and Optical Lasers (PM)

[SLAC National Accelerator Laboratory](#), 2575 Sand Hill Road, Menlo Park, CA, USA.

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## Faculty Position - University of Oregon - Gravitational-wave Astrophysics

The Department of Physics at the University of Oregon seeks to fill a tenure-related faculty position for a scientist interested in conducting research in observational or experimental astrophysics with an emphasis on gravitational waves. The anticipated starting date is Fall 2017 and the position is expected at the assistant professor level, although a more senior appointment is possible under exceptional circumstances. The successful candidate could benefit from close connections with the existing Oregon group in the LIGO Scientific Collaboration. There are also opportunities for interaction with many other research groups in the department and related research centers and institutes.



Applicants must have a PhD or equivalent in physics or a related discipline and an outstanding research record. The successful candidate is expected to conduct a vigorous research program and be a dedicated and successful teacher at the undergraduate and graduate levels. Salary will be commensurate with qualifications. The successful candidate will support and enhance a diverse learning and working environment.

Applicants should submit a letter of application, curriculum vita, list of publications, and a statement of research interests and future research plan to the Academic Jobs Online website

(<https://academicjobsonline.org/ajo/jobs/7564>). Applicants should also arrange to have a minimum of three letters of reference sent directly to the AJO website. To ensure full consideration, please submit application materials by November 7, 2016, although applications will continue to be considered until the position is filled.

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More posting from <http://www.hispanicphysicists.org/JobBoard.html>

### UC San Diego

[LECTURER in PHYSICS](#)

Review begins:  
August 15, 2016

### Fermi National Accelerator Laboratory

[Research Associate \(Neutrino Division\)](#)

Close date:  
August 31, 2016

### Trinity University, San Antonio, Texas

[Tenure-track Assistant Professor of Physics](#)

Submit by:  
October 15, 2016

### Lawrence Berkeley National Laboratory

[Chamberlain Fellow - 82730](#)

[Organization: PH-Physics](#)

Submit by:  
October 15, 2016

### American University

[Assistant Professor](#)

[Physics Department](#)

[College of Arts and Sciences](#)

Review begins:  
November 1, 2016

### University of Maryland, Baltimore County (UMBC)

[Faculty Position in](#)

[Computational Condensed-Matter Physics](#)

Submit by:  
November 1, 2016

### Western Washington University

[TENURE-TRACK ASSISTANT PROFESSOR POSITIONS](#)

Review begins:  
November 1, 2016

### University of Oregon

[Faculty Position](#)

[Gravitational-wave Astrophysics](#)

Submit by:  
November 7, 2016

**The Hispanic Physicist.** Published whenever there is news and the Editor has enough time. Send news, letters, congratulations, etc. to **Jorge A. López**, [jorgelopez@utep.edu](mailto:jorgelopez@utep.edu). <http://www.hispanicphysicists.org/>.