

[Subscribe](#)[Past Issues](#)[Translate ▾](#)[RSS](#)[View this email in your browser](#)

# The Hispanic Physicist

The Newsletter of the National Society of Hispanic Physicists

<http://www.hispanicphysicists.org/>

Year 23

June 14, 2020

## NSHP Statement

The National Society of Hispanic Physicists reacts with dismay and feels deeply sorrowed by the recent killing of African Americans, which are a somber reminder that racism and prejudice permeates our society and constitutes a serious threat to its existence.

Our Society condemns racism and believes in social justice. We represent the concern of our members, many of whom are people of color like our African American colleagues, for the treatment and threats that people of color experience in this country.

We defend the right of society to speak up against discrimination and for justice for all. We support and endorse the 2017 statement of our larger professional society, [the American Physical Society on Racial Violence](#):

*“Physics flourishes best when physicists can work in an environment of safety, justice, and equity. Therefore, all of us must work vigorously against systemic racism and to overcome implicit biases. The Board of the American Physical Society believes that it is timely to reaffirm the importance of building a diverse and inclusive physics community, as expressed in the APS Joint Diversity Statement (Human Rights 08.2). The Board expresses deep concern over incidents of racially biased violence and threats of violence against people of color.”*

We remain committed as a professional society, to develop and support an equitable environment that respects diversity and promotes inclusion.

---

## NSHP elects Ramon Lopez for President, Jesus Pando for Past-President, and Mario Diaz for President-Elect

The NSHP board elected this month of May our members [Ramon E. Lopez](#) (president) and [Jesus Pando](#) (past president) for the present cycle, and [Mario Diaz](#) (president-elect) for the coming cycle.



Ramon Jose Lopez, UTA



Jesus Pando, DePaulU



Mario Diaz, UTRGV

---

## THE CONVERSATION

Academic rigor, journalistic flair

## Possible effects of the present state of affairs for HBCU

A panel of experts—Marybeth Gasman, Ivory Toldson, Gregory Price—commented on the possible effects of the present situation for historically black colleges.

Please look up the March 24 [article](#) on [The Conversation](#) US.



## XVI International Symposium on Radiation Physics 2020

The ISRP will be organized in **virtual format** during the month of October 2020. Exact dates **TBA**.

- Abstracts due June 26<sup>th</sup>
- Research presented at the meeting will be peer reviewed and published on [JNPMRA](#).

For information please contact Dr. Guillermo Espinosa: [espinosa@fisica.unam.mx](mailto:espinosa@fisica.unam.mx).

La Sociedad Mexicana de Física convoca al

# LXIII Congreso Nacional de Física

Catedral de Morelia, 1843

Del 5 al 9 de octubre de 2020 en el **Centro de Convenciones y Exposiciones de Morelia**

**Temática:**

- Investigación en física básica y aplicada
- Instrumentación
- Historia y filosofía de la física
- Enseñanza, política científica
- Temas directamente relacionados con el desarrollo de la física

**Comité organizador**  
**Sociedad Mexicana de Física**  
 Apartado Postal 70-348, Coyoacán 04511, CDMX  
 Teléfonos: 5622 4848, 5622 4840, 5622 4946  
[smf@ciencias.unam.mx](mailto:smf@ciencias.unam.mx) • [cnf@ciencias.unam.mx](mailto:cnf@ciencias.unam.mx)

**Fecha límite para la recepción de resúmenes:**  
 viernes 29 de mayo de 2020  
 Información y registro:  
<http://www.smf.mx/cnf>

**Aniversario 1950-2020**

CONACYT
 SEP
 GOBIERNO DE MICHOACÁN
 MORELIA Gobierno Municipal
 Secretaría de Educación

Click [here](#) for more info about the 2020 edition.



## Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science

## NSF INCLUDES Webinars

### Important Information and Revision Notes

- A letter of intent is required for all proposal submissions and must be submitted via FastLane by the due dates listed above.
- The inclusion of an NSF INCLUDES Design and Development Launch Pilot Project Principal Investigator and/or Co-Principal Investigator is encouraged but not required.
- An NSF INCLUDES Planning Grant is not a prerequisite to submit an Alliance proposal.
- Prior NSF INCLUDES funding is not required to be eligible to submit an Alliance proposal.

### Pre-Recorded Informational Webinar

A previously recorded informational webinar for the NSF INCLUDES Alliance Solicitation will be posted soon.

### Upcoming Live Question and Answer Sessions

## NSF INCLUDES National Network

The NSF INCLUDES Coordination Hub ([#1818635](#)) facilitates the activities needed to build and maintain a strong [NSF INCLUDES National Network](#), including communications, capacity building, and efforts aimed at increasing visibility.

The online [NSF INCLUDES National Network](#) is open to all interested in improving diversity and inclusion in STEM. Joining the NSF INCLUDES National Network can amplify efforts to realize equity and inclusion in STEM, via:

- Promoting stories about your work with colleagues in STEM professions
- Strengthening your capacity to collect, analyze, and use data for decision-making and continuous learning
- Developing shared definitions for success that are aligned with nationally recognized STEM best practices
- Participating in an online community and affinity groups – where you can learn from peers, learn about conferences, and access resources

Join at <http://www.INCLUDESNetwork.org>.



## SSURF News

### In response to COVID-19

The COVID-19 crisis is highlighting how important national user facilities are for the scientific community. Dr. Chris Fall, Director of the Department of Energy's (DOE) Office of Science, was recently interviewed by the Direct Current Podcast on the Department's efforts to combat the virus. Of particular interest to the SSURF community is Dr. Fall's assertion that our national user facilities constitute one of three science and technology 'superpowers' being brought to bear on the pandemic by the DOE. The user facility model is extremely well suited to react quickly in a crisis, because the user facilities themselves are accustomed to serving the ever-changing interests of the broader scientific community.

A wide array of important COVID-19 projects are underway across the DOE complex, many in collaboration with other government agencies, academia, and the healthcare industry. To learn more about how the DOE is supporting COVID-19 research, please visit:

<https://www.energy.gov/covid-19-hub>.

### Annual Meeting

The 2019 SSURF Annual Meeting was an opportunity for the SSURF community to discuss challenges, opportunities, and recent developments within the User Facility system. The meeting was well attended and led to many vibrant and timely discussions. The Meeting format intentionally included time for a town-hall discussion providing ample opportunity for the audience to actively contribute. Feedback from the conference was positive and SSURF will repeat the format next year and is happy to take additional suggestions for structure or content inclusion. The Meeting also featured excellent presentations by Leland Cogliani, Paul Doucette, and Norm Peterson on the state of appropriations. We are currently soliciting presentation

topics for the **2020 Annual Meeting** – please let us know if there is an issue you would like to hear about! The Annual Meeting committee can be reached through Board Member Jason Benedict ([jbb6@buffalo.edu](mailto:jbb6@buffalo.edu)).

After the Meeting, the Board participated in a strategic planning retreat led by Jerry Askew from the Alliance for Better Nonprofits where we identified strategic goals for this next year and assigned Board members responsible for each. These goals include the executive director search, improving Board engagement, making more effective use of our volunteers, and improving communications.

News Website: <http://www.ssurf.org/News>.

---



## Science Thursday at BNL

Please follow the [link](#) and pick your preferred event from the calendar. Many events are webcasted.

---



## FY 2020 Solicitation for the Office of Science Financial Assistance Program

[The Office of Science of the US Department of Energy](#) is providing funding for research in the following program areas: Advanced Scientific Computing Research, Basic Energy Sciences, Biological and Environmental Research, Fusion Energy Sciences, High Energy Physics, and Nuclear Physics.

- **Funding source:** Office of Science, Department of Energy
  - **Amount:** Up to \$5,000,000
  - **Deadline:** September 30, 2020
  - **Submission:** [grants.gov](https://grants.gov)
  - **Contact:** Kimberlie Laing, 301-903-3026
- 



## Faculty Research Opportunity at NETL

Deadline Dec. 31, 2020

Through the Oak Ridge Institute for Science and Education (ORISE), this posting seeks a faculty researcher to collaborate with the in-house Magnetics/Power Electronics team at the National Energy Technology Laboratory (NETL) in Pittsburgh, PA. Collaborations would be in support of externally funded work-for-others efforts.

The successful candidate will have a strong background in these elements (but not necessarily all):

- Expertise in design and fabrication of components for power conversion applications
- Expertise in novel, advanced materials and processing techniques for the development of parts and components for power conversion applications
- Expertise in the use of soft-magnetic materials in the development of components for power conversion applications

- Expertise in commercializing novel power conversion technologies

**Program information:** Detailed information about the program can be found at <http://www.ora.gov/netl/>. Please send a CV to Erik Albenze at [erik.albenze@netl.doe.gov](mailto:erik.albenze@netl.doe.gov).

**How to apply:** <https://www.zintellect.com/>.

---



### Maternal and Child Health Fellowship

Health Resources and Services Administration (HRSA), Rockville, MD, **Competitive Monthly Stipend Provided**

A [research opportunity](#) is currently available with the Maternal and Child Health Bureau (MCHB), within the Health Resources and Services Administration (HRSA) at the U.S. Department of Health and Human Services (DHHS) located in **Rockville, Maryland**. The selected participant will be paired with a senior staff member of MCHB to observe, learn from, and apply new analytic and methodological approaches within the parameters of “real life” programmatic and policy decision making processes.

Learning Goals and Objectives for this project include, but are not limited to:

- Gain first-hand exposure to and understanding of major maternal and child health investments supported by the Federal Maternal and Child Health Bureau
- Train in support of research, analyses and synthesis of performance measurement and/or evaluation data for major maternal and child health investments supported by the Federal Maternal and Child Health Bureau, e.g. Healthy Start
- Train in support of research and analyses of data from the National Survey of Children's Health resulting in publishable written products, including a manuscript for submission to a peer-reviewed scientific journal
- Gain first-hand exposure to and understanding of how a major national survey is designed and implemented on an annual basis
- Refine data processing and analyses skills utilizing SAS/SUDAAN or STATA
- Refine and expand written and oral communicative skills and competencies

### Qualifications

The qualified candidate should have received a master's or doctoral degree in Epidemiology, Public Health, Public Policy, Science Writing, Social Sciences, or a related field, or be currently pursuing one of the degrees and will reach completion by July 2020. Degree must have been received within five years of the appointment start date.

This opportunity is available to US citizens and Lawful Permanent Residents (LPR) only.

---



### Center for Functional Materials Instrument Videos

[Fernando Camino](#), staff scientist with [Brookhaven National Lab](#) shared some videos made for a workshop already held. The instruments presented are available at the [Center for Functional Materials](#).

The video can be found in [Spanish](#) or [English](#).

---



## Graduate Admission Workshop at TAMU

We are thrilled to invite your junior and senior undergraduate students to attend our virtual Graduate Admissions Workshop. Hosted by the [Texas A&M University Department of Biochemistry and Biophysics](#), these weekly lectures will address common questions, dispel myths, and discuss strategies for submitting a strong graduate school application. In this 10-week series, they will learn about the application process – from submission to interview – from the Associate Head of Graduate Studies, Prof. Jean-Philippe Pellois. The Chair of Graduate Admissions, Prof. Tatyana Igumenova, will tell them what her committee looks for in a stand-out applicant. As a bonus, they will also get tips for applying to prestigious federal fellowships from Prof. Gary Kunkel, a long-time NSF-GRFP reviewer.

**Dates:** Fridays, May 29 to July 31

**Time:** 2:00pm–2:30pm CST

**Location:** Virtual! Zoom details will be provided.

For [details](#).



## NextProf Nexus 2020

On **September 8-11, 2020**, the University of Michigan, the University of California - Berkeley, and Georgia Tech will co-host the [2020 NextProf Nexus Future Faculty Workshop](#) on the University of Michigan's campus.

This program aims to diversify the engineering professoriate by bringing together 60+ senior-level Ph.D. students, postdocs, and early career scientists and researchers from across the country for an intensive 3-day workshop on the faculty search process.

The **2020 NextProf Nexus Future Faculty Workshop** is designed to encourage academic careers from traditionally underrepresented U.S. demographic groups and are open to U.S. citizens and permanent residents of any ethnicity, race, sexual orientation, gender identity, age, ability, veteran status, socio-economic status, first generation to college status, nation of origin, and/or religion.



## Battery Test Engineer with the INL

Apply [Here](#) or on [inl.gov/careers](http://inl.gov/careers) to job #14600

The Energy Storage and Advanced Transportation Department at INL is seeking for Battery Test Engineer that is looking to join a team passionate advancing the future of electrified transportation by enhancing knowledge related to the life and performance

of high energy and high-power batteries.

### Minimum Qualifications:

- Minimum of a BA/BS in electronics, engineering or related scientific field
- Demonstrated experience in electronics
- Demonstrated experience using design and analysis programs such as ORCAD, CAD, MatLab, Python and Labview
- Experience designing, developing, and/or conducting experiments with electrical equipment

### Desired Experience:



- Understanding or diagnostic experience with controller area networks
- 2-5 years relevant experience
- Experience and knowledge of batteries, electric vehicle charging, infrastructure and data analysis
- In depth understanding of electrical and electronics theory

**INL Overview:**

Located in breathtaking southeastern Idaho near many national treasures such as Yellowstone National Park, Jackson Hole, WY and Teton National Park. INL is a science-based, applied engineering national laboratory dedicated to supporting the U.S.

Department of Energy's mission in nuclear energy research, science, and national defense. We are the nation's lead laboratory for nuclear energy research, development, demonstration, and deployment.

**Radioisotope Production Post-Bachelor's Research Associate**

Purist, a startup company and part of the [Innovation Crossroads Program](#) at [Oak Ridge National Laboratory \(ORNL\)](#), is focused on developing a technology that can be implemented in small-scale, underutilized research nuclear reactors for on-demand production of high-purity medical radioisotopes. Purist is seeking candidates for a [Post-Bachelor's Research Associate](#) to support this project.

**SUSI 2020****16<sup>th</sup> International Conference on Structures Under Shock and Impact**

24-26 June 2020 Online

[SUSI 2020](#) is organized by the Wessex Institute, UK and University of Liverpool, UK. It is sponsored by WIT Transactions on the Built Environment and the International Journal of Computational Methods and Experimental Measurements.

Papers presented at this conference are to be published in a volume of WIT Transactions on the Built Environment (ISSN: 1743-3509). Delegates will receive an electronic copy of the publication and also have the option to purchase hard copies.

**How to Participate**

Papers are invited on the topics outlined and others falling within the scope of the meeting. Abstracts of no more than 300 words should be submitted as soon as possible. Submit your abstract online or by e-mailing the Conference Secretariat below.

**Irene Moreno Millan:** [imoreno@wessex.ac.uk](mailto:imoreno@wessex.ac.uk)

**Wessex Institute**

Ashurst Lodge, Ashurst,  
Southampton SO40 7AA, UK  
Tel: +44 (0)238 029 3223  
Fax: +44 (0)238 029 2853



## CHESS Users Meeting

The [CHESS Users Meeting](#) is only 2 weeks away – it takes place on **June 9/10, 2020** – and it will be fully virtual this year: the [plenary session](#), [poster sessions](#), after dinner talk, and [three workshops](#) will all be accessible **online**. I hope you are able to [register](#) (no registration fee) and participate in the meeting. In particular, the [workshop on High Energy X-ray Techniques \(HEXT\)](#) might be of interest to your students. It is intended to give students the knowledge and skills needed to plan, conduct, and interpret synchrotron experiments. The workshop takes place over 4 days

- Lectures
- Hands-on tutorials
- Instruction and coaching on how to write a successful proposal for beamtime

There is no registration fee, however [registration](#) is required.







## NSF: REU PR-CLIMB

### RESEARCH EXPERIENCES FOR UNDERGRADUATES

**Where:** Department of Chemistry, UPR-RP

**When:** August 3, 2020 - December 18, 2020 includes a \$5,500 stipend

**Who should apply:** Students pursuing a bachelor's degree in Chemistry or related fields with a desire to learn Chemistry at the interface of various disciplines in a diverse environment, have hands-on experience with modern instrumentation, and learn professional and technical skills to prepare for a STEM career.

**Website:** <https://reu-prclimb.weebly.com/>

**Requirements:** U.S. citizens or permanent residents, with a GPA over 3.0 and little previous research experience

**Submit via Google docs link:** [https://docs.google.com/forms/d/e/1FAIpQLSclrkQzr-DYV-jmAMH\\_LF0VbEKG-xg52yvxyJofV6hMBMQhtO/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSclrkQzr-DYV-jmAMH_LF0VbEKG-xg52yvxyJofV6hMBMQhtO/viewform?usp=sf_link)

- REU PR CLIMB Application (PDF)
- Copy of transcripts (PDF or JPEG)
- Two (2) letters of recommendation (PDF)
- **Deadline: June 15, 2020**

Grant Award: 1757365



Website QR Code



Application QR Code

**Deadline:** June 15, 2020

For more info, please click [here](#).



**Research Associate with NSCL**



The [National Superconducting Cyclotron Laboratory \(NSCL\)](#) invites applications from outstanding candidates for a fixed-term research associate (Postdoctoral Researcher) position in the area of experimental nuclear science, who will work in the research group of Prof. Jaideep Singh.

**Minimum Requirements:**

- PhD. in Nuclear Physics or Atom/Molecular/Optical Physics
- Recent experience with the execution and analysis of experiments involving molecules, magneto-optical traps, magnetometry, or charged particle manipulation
- High potential for excellence in research, as demonstrated through completed research projects and publications in peer-review journals
- Excellent communication skills to present approaches, plans, and findings as evidenced by presentations at conferences, workshops, or other professional meetings
- Solid knowledge of principles and techniques pertaining to nuclear science/AMO physics and experimental research, demonstrated by the preparation, execution, and analysis of experiments.
- Strong interest in experiments involving atomic or molecular spectroscopy with a focus on fundamental symmetries and rare isotopes
- The ability to handle export-controlled materials

**Desired Qualifications:**

- Demonstrable knowledge of principles and techniques pertaining to the laser probing of atoms or molecules, molecular beam sources, and/or cryogenic systems
- Demonstrated experience designing, building, and commissioning ion sources for any field
- Experience with computer programming for the purpose of acquiring and analyzing data and for the comparison with model/simulation predictions

**Required Application Materials**

In the cover letter of their application. Applicants must highlight their interest in and experience/expertise related to the open position in the research group of Prof. Jaideep Singh Applicants must provide a Curriculum Vita including a complete list of publications and presentations. Applicants must also arrange for three letters of recommendation to be submitted.

**To apply:** please visit <http://careers.msu.edu>, **581811** and follow the application process.

Review of applications will begin immediately and the search will continue until the position is filled. General questions regarding the position may be sent to the Associate Director for Experimental Research, Sean Liddick ([liddick@nscl.msu.edu](mailto:liddick@nscl.msu.edu)); specific research questions should be sent to Prof. Singh ([singhj@frib.msu.edu](mailto:singhj@frib.msu.edu)) <http://www.nscl.msu>.

**Comic Books from APS**

PhysicsCentral has been engaging children and the public at large through the years with its [website](#).

Please visit the link above.

---

**Job Seekers**

**Tassew Mekuria** received his first degree at Addis Ababa University, MS from Morgan State University, and recently Ph.D. from Morgan State University.

He worked with the research group of Prof. Seifu during the last four years and now he is a Ph.D. in Bioenvironmental Science. His research was a study of a ferromagnetic nanocomposite sensor for monitoring heavy metals, in particular Cr in drinking water sources. Tassew has experience with **SANS at NIST** and **EXAFS at BNL**, both facilities used during his dissertation research.

If anyone in our readership can help, please contact Tassew's advisor, [Prof. Dereje Seifu](#).

## Jobs

Please visit our Job Board (<http://www.hispanicphysicists.org/JobBoard.html>) to see more information about these and other opportunities.

Opportunity	Deadline
<a href="#">Scientist in Chromatin Biology</a> opportunity at the DNA Tumor Virus Section, Bethesda, MD.	Please see the link
<a href="#">Atomic deposition project</a> with the CCD Army Research Lab.	Please see the link
<a href="#">Statistician/Data Scientist</a> opportunity with the Department of Defense.	Sep. 1, 2020; 3PM EST
<a href="#">Geospatial Data Creation and Curation Fellow</a> opportunity with the Department of Transportation.	June 30, 2020; 3PM EST
<a href="#">Nuclear Enterprise Researcher</a> opportunity with the Department of Defense.	Please see the link

**The Hispanic Physicist.** Published whenever there is news and the Editor has enough time. Send news, letters, congratulations, etc. to **Miguel Castro-Colin** ([m.castrocolin@gmail.com](mailto:m.castrocolin@gmail.com)).



Copyright © 2020, National Society of Hispanic Physicists, All rights reserved.

Our URL address is:

\*[http://www.hispanicphysicists.org/!](http://www.hispanicphysicists.org/)\*

---

This email was sent to [jburciag@mtholyoke.edu](mailto:jburciag@mtholyoke.edu)  
[why did I get this?](#) [unsubscribe from this list](#) [update subscription preferences](#)  
www.hispanicphysicists.org · Hans-Thoma-Str · Karlsruhe 76133 · Germany

