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NSHP News - Feb. 16, 2020

1 message

Lopez, Jorge <jorgelopez@utep.edu>

Sun, Feb 16, 2020 at 5:32 PM

The logo for 'The Hispanic Physicist' newsletter, with the title in a large, bold, serif font. Below it, in a smaller font, is 'The Newsletter of the National Society of Hispanic Physicists'. The text is set against a light gray background with a subtle pattern.

The Newsletter of the National Society of Hispanic Physicists

Year 23

February 16, 2020

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



*Ximena Cid. Credit:
Gazette Fall 2019*

Ximena Cid in The Gazette and ICWiP

Prof. Cid, a board member of the NSHP, appeared in the APS [Fall 2019 Gazette](#). The [Gazette](#) is a newsletter produced by volunteer writers and editors who showcase topics about the status of women and minorities in physics.

Ximena has also been selected to participate at the 7th [International Conference on Women in Physics](#)



Black History Month

In celebration of Black History Month, A.J. Hinton from the University of Iowa presents [100 black scientists in America](#) that all researchers can look to for inspiration.



SNAP the Gap

We are actively recruiting [mentors](#) for an exciting opportunity called [Snap the Gap](#), a program designed to increase attitudes and perceptions of STEM in 10-12 year old's across California. Snap the Gap is rooted in three activities – hands on experiential learning, mentorship, and expanded learning opportunities. This **no cost program** provides each participant **access to mentorship, a littleBits STEM Inventor kit, and a 1 year subscription to [DIY.org](#) an online learning platform.**

If you are interested in becoming a mentor, you can sign up via our [mentor application](#) or email us at Snapthegap@ucdavis.edu.

Next, to view current program sites available in your area, please visit our [CA Million Women Mentor – Snap the Gap main page](#).



Applied Nuclear Physics Conference

[Applied Nuclear Physics conference](#) (ANPC), which will be held on **September 13–18, 2020** in **Prague** (Faculty of Architecture, Czech Technical University, Czech Republic), as well as to the open call for nominations for the [IBA-Europhysics Prize](#).

The [abstract submission and registration](#) is open now.

Abstract submission **deadline**: April 12, 2020!

The new [Applied Nuclear Physics conference](#) (ANPC) is introduced by the [Nuclear Physics Division](#) of the European Physical Society (EPS).

IMPORTANT DATES

March 15, 2020: Deadline for IBA Prize nominations

April 12, 2020: Deadline for abstract submission

June 14, 2020: Deadline for early registration.



Professor Position at MSU

[Morgan State University](#) (MSU) in the School of Computer of Computer, Mathematical and Natural Sciences (SCMNS) has a faculty position for an accomplished basic biomedical researcher with experience in health disparities research. The faculty member will be placed in one of five SCMNS academic departments: Biology, Chemistry, Computer Science, Mathematics or Physics & Engineering Physics, depending on the person's training and research background.

The faculty member will assume the role of Deputy Director for the newly established Center for Urban Health Disparities Research and Innovation (RCMI@Morgan) funded by the National Institutes of Health. S/he will be provided with start-up funds, facilities and access to equipment to be a successful researcher and obtain R01-equivalent federal funding at MSU.

Morgan State University is a Carnegie Classified Doctoral Research University with High Research Activity (R2) and a Historically Black University (HBCU) located in Baltimore, Maryland. The School has eight BS, three MS, and two PhD degree programs (Industrial and Computational Mathematics and Bioenvironmental Science).

Applicants should submit a statement letter, a curriculum vita, a detailed research plan, and names of 3-5 scientists who know the applicant's scientific accomplishment, work ethic and personality to the search committee chair: Dr. Farin Kamangar, Morgan State University, Richard Dixon 200, Baltimore, MD 21252. Email: farin.kamangar@morgan.edu ; Phone 443-885-4515.

***Looking for a paid
STEM internship
opportunity?
This event is for you!***

On February 20, from noon to 3 p.m. ET, the Oak Ridge Institute for Science and Education (ORISE) is hosting a virtual career fair to highlight the paid internships, fellowships, and research associate

programs available to college students and recent graduates at Oak Ridge National Laboratory (ORNL), the largest U.S. Department of Energy science and energy laboratory! Please register [here](#).



News from the Wessex Institute

[Conference](#) Program 2020

Short Courses Program aimed at industry and academia

- [Financial modeling](#)
 - [Structural Optimization](#)
 - [Blast](#)
 - [Disaster Risk](#)
 - [Critical Infrastructure](#)
 - [Water Supply](#)
-



Considering a Masters or PhD?

The MIT Office of Graduate Education, GradDiversity is currently seeking talented undergraduate students to participate in two exciting initiatives: GradCatalyst and the [2020 MIT Summer Research Program General](#).

Please forward this information to your talented undergraduate students who may be interested in pursuing graduate education. Please email GradDiversity@mit.edu if you have any questions regarding our program.



Junior Staff Position at CEA Paris-Saclay

The laboratory for the study of atomic nuclei (LENA) of CEA Paris-Saclay, France, is opening a junior staff scientist position for an outstanding physicist in the field of experimental nuclear physics with a strong focus on nuclear structure.

The LENA is part of the Nuclear Physics Division (DPhN) of the Institute of Research into the Fundamental Laws of the Universe (Irfu) located at CEA-Saclay (France). It is composed of twelve permanent staff physicists working in the field of nuclear physics on both theoretical and experimental aspects. Irfu is a highly dynamic scientific environment including research divisions on astrophysics, nuclear and particle physics as well as strong technical and engineering divisions in instrumentation, cryogenics and accelerator technologies. Inside Irfu, DPhN focuses its research on the nucleon and the nucleus, with studies ranging from nuclear structure and reactions to hadron structure and quark gluon plasma.

Candidates should send a cover letter describing their research activities and prospects, a Curriculum Vitae including a list of recent or important publications, at least two letters of recommendation, and when applicable an electronic copy of their PhD thesis as well as the jury reports on their manuscript and/or PhD defense. Documents should be sent preferably by email to danielle.coret@cea.fr (cc: acorsi@cea.fr), or alternatively by postal mail to:

Danielle CORET, CEA Saclay

Irfu/DPhN, Bât 703

F-91191 Gif-sur-Yvette, France For full consideration, all application materials must be submitted by 21 February 2020. The hiring committee will release the list of candidates selected for interviews mid-March 2020. The interviews of selected candidates are foreseen in April 2020.

For more information, please contact Anna CORSI (acorsi@cea.fr).



Summer Research at U of Nebraska-Lincoln

At [Nebraska](#), our Summer Research Program offers students an excellent opportunity to hone research skills and to experience life as a graduate student at a Big Ten university. Students will enhance their academic resume, work closely with faculty and peers, and have fun with social and professional development activities, all while receiving numerous benefits.

Students historically underrepresented in graduate education are encouraged to apply; however, due to funding restrictions, participation is limited to U.S. citizens or Permanent Residents (those holding a green card.)

Find the 2020 programs [here](#). We are committed to quality mentoring and research projects and limit our summer offerings to active research labs and projects led by faculty who have established themselves as excellent undergraduate student mentors.

Students can apply for up to three different research groups. Priority review of applications begin Friday, **February 1** and all applications are due by Friday, **March 1**.



Top 300 Regeneron Science Talent Search Scholars

Society for Science & the Public and Regeneron are pleased to introduce you to the top 300 scholars of the 2020 [Regeneron Science Talent Search](#). These 300 students are the best and brightest scientists and engineers of the future, and are extremely worthy of special attention in your admissions process. Scholars have been provided with a certificate to submit with their college and scholarship applications, or you may view the [Scholar List](#).

The Science Talent Search, in its 79th year, is the country's oldest and most prestigious science competition for high school seniors. Regeneron, a leading science and technology company delivering life-transforming medicines for serious diseases, is now the sponsor of the Science Talent Search, following previous sponsors Westinghouse and Intel. This year, 1,993 entrants conducted independent research on diverse scientific topics in 18 categories and completed the Society's rigorous application, which includes a twenty-page original research paper, transcripts, recommendations, and more.

From the select pool of 300 scholars, 40 finalists will be invited to Washington, D.C. in March to participate in final judging, display their work to the public, meet with notable scientists, and compete for more than \$1.8 million in awards, including the top award of \$250,000.



SUSI 2020, 22-24 June 2020, Lisbon Portugal

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 Safety and Security Engineering.

Papers presented at the conference are to be published in a Volume of WIT Transactions. The WIT Transactions are DOI registered with **CrossRef** and are currently listed in indexing services such as **Scopus** and **Google Scholar**, as well as being submitted to the **Web of Science**. All conference books are listed in the British Library and American Library of Congress.



Alpha-Cen: Astrofísica Centroamericana y del Caribe

Alpha-Cen is a non-profit and non-governmental scientific group created for the development and strengthening of research in astronomical sciences in Central America and the Caribbean. It is constituted by Central Americans and Caribbeans who have done or are enrolled in postgraduate studies related to astronomical sciences, and scientists who collaborate with the development of astronomy in the

region.

Alpha-Cen works to contribute, improve and share the scientific understanding of the Universe.

Some achievements:

- The first project was the thesis supervision of an undergraduate physics student in Honduran. Her adviser was based in Guatemala. Through this collaboration student joined a postgraduate program in Astrophysics at UNAM-Mexico in 2017.
-
- Joint collaboration Honduras-Australia pursuing indigenous and Mayan Astronomy research. Dr. Javier Mejuto a Honduran researcher visited Melbourne for a month in 2018 to work with Dr. Duane Hamacher. Dr. Duane is also visiting Honduras in December 2019.
-
- Various remote seminars hosting international speakers were held for students in Central America.



NESLS Program at Oak Ridge National Laboratory

The [Nuclear Energy Science Laboratory Synthesis](#) (NESLS) is now accepting [applications](#) for summer 2020. **Deadline** February 28, 2020.

Eligibility

- Be currently enrolled at an accredited U.S. institution in a nuclear engineering, science, or eligible related degree – OR – a community college student working toward an Associate of Science or Associate of Engineering degree
- If graduating with a degree before or during the appointment period, must provide proof of continuing education in an accredited degree-seeking program
- Have a cumulative minimum GPA of 3.0 on a 4.0 scale
- Be 18 years or older
- No citizenship requirement

Benefits

- Stipend based on academic level and paid on a biweekly schedule
- \$175/week housing allowance (paid with biweekly stipend) and limited travel reimbursement, if eligible.



RIT Physics Masters Program

Rochester Institute of Technology's **MS program in Physics** is recruiting graduate students. Our program has flexible options that can be tailored to career goals and interests of students who seek graduate physics training in fundamental and applied areas. It can serve for further career development or as preparation for further graduate study.

Our MS program features a choice between **Research and Professional options**. Either option gives strong preparation for immediate employment or for entry into a PhD program in physics or a closely-related field. Both options include at least 30 credit hours and provide for core and elective advanced physics coursework.

Nationally, data collected by the American Institute of Physics shows very strong placement of MS Physics graduates within one year after the degree, ranging from 92 to 96% for individuals who remain in the U.S. Graduates are highly employable across all economic sectors, and opportunities span a wide variety of placements in the private sector, in government labs, and in education. See <https://www.aip.org/sites/>. Here, "placement" refers to either employment or further (primarily PhD-level) graduate study.

Students may also visit our website at <https://www.rit.edu/science/>. or contact Cindy Drake at cadsse@rit.edu with questions.



AI for Nuclear Physics Conference at JLab

Jefferson Lab is pleased to host the A.I. for Nuclear Physics Workshop, held March 4-6, 2020, in Newport News, Virginia. A Free A.I. [Hack-A-Thon](#) geared toward junior scientists will precede the workshop on March 3.

Preliminary workshop program now posted: [Click Here](#)
(*Indico Account Required*)

Small interactive working groups will focus on several key areas, including:

- Lattice QCD and other quantum field theories.
- Nuclear structure theory.
- Accelerator, facility and detector operations.
- Accelerator science.
- Experimental methods (PID, tracking, etc.).
- Event generation and simulation.
- Global analysis and fits.

The results of the workshop will be summarized in a report that will serve as a roadmap for A.I. future application and a guide to areas for possible collaboration.



INDIANA UNIVERSITY BLOOMINGTON
FULFILLING *the* PROMISE

GU2IU Recruitment Program 2020

Getting You into Indiana University (GU2IU) Program, a campus recruitment program for prospective underrepresented and minority students interested in pursuing a Ph.D. or M.F.A. at Indiana University (IUB) Bloomington. The three-day event will be conducted on the IUB campus and begins Sunday April 19, 2020, and ends on Tuesday, April 21, 2020. This is an all-expense paid trip for selected highly qualified applicants including air fare, lodging, and meals. Participants will learn more about IU's Ph.D. and M.F.A. programs, research opportunities and funding options. Additionally, participants will meet with faculty, staff and current graduate students, attend sessions on preparing competitive applications for graduate admission, explore campus cultural centers, and take a campus tour.

Our goal is to recruit the best and brightest to IU programs. Our target is 30 students to attend our recruitment event for Spring 2020.

The [application](#) deadline is **March 4, 2020**.



Artificial Intelligence Summer Institute 2020

Participants in the **Artificial Intelligence Summer Institute (AISI)** will collaborate with Oak Ridge National Laboratory (ORNL) scientists on solving problems of national and scientific interest, engage in educational and professional development opportunities, explore career opportunities at national laboratories, and interact with and present their research to ORNL's scientists.

As part of the summer institute, interns will be organized into teams with diverse educational backgrounds and develop their skills to help solve scientific challenges using artificial intelligence, machine learning, and data science.

Program starts June 1, 2020, and ends on August 7, 2020.



2020 Summer REU: Materials Research

We are now recruiting for our National Science Foundation (NSF) supported Research Experiences for Undergraduates (REU) program (May 17 to July 24, 2020) in "Experimental and Computational Materials Research." Our program is among the longest running NSF REU programs in the country. We offer a broad range of interdisciplinary materials research experiences to undergraduate students with diverse backgrounds in physics, chemistry, applied mathematics, and engineering.

The research projects include, but are not limited to, electronic materials, nano-materials, lasers & optical materials, biosensors, biophysics & biomaterials and computer modeling. The scientific research projects are developed specifically for undergraduates by an interdisciplinary team consisting of science and engineering faculty at UAB.

Please find enclosed a recruitment poster for display in high traffic and accessible areas. Also note that the application can be submitted electronically via our web site: <https://cas.uab.edu/cnmb/>.

Our application deadline is March 15, 2020. Decisions will be made no later than April 15, 2020.

For questions please contact the Program Coordinator [Charita Cadenhead](#).

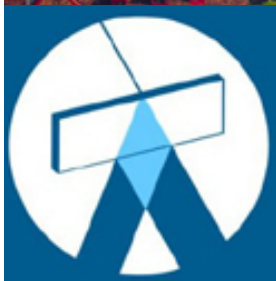


Assistant/Associate Professor – Radiochemistry and Radiological Health Physics

Faculty position (open rank) for a nuclear chemist/radiochemist at the department of Physics and Applied Physics at UMass Lowell starting Fall 2020. This hire is to strengthen and broaden our Radiological Sciences program to include radiochemistry, nuclear chemistry and/or nuclear forensics research/teaching. UMass Lowell administration has committed significant infrastructure investment to support this direction. The successful candidate will have ~1500 sf of their own radiochemistry laboratory, with appropriate hoods, and vented glove boxes, to be completed prior to Fall 2021, as well as the opportunity to participate in and inform the design process.

The job ad can be found at: <https://explorejobs.uml.edu/>.

The search is open until filled, so candidates are encouraged to apply ASAP.



XTOP 2020, 15th Biennial Conference, Minsk, Belarus

XTOP 2020 – the 15th Biennial Conference on **High-Resolution X-Ray Diffraction and Imaging** – will take place in Minsk, Belarus, from 13 to 18 September 2020. The first day of the conference will traditionally be devoted to the companion school with tutorial lectures, aimed (not only) to students.

During the next 4 days of the conference, a number of invited and contributed talks, as well as posters will be presented.

XTOP is focused on various aspects of X-ray research, covering such fields as X-ray diffractometry, reflectometry, small angle X-ray scattering, stress and strain analysis, and different imaging techniques. The conference provides a scientific platform for researchers and engineers that helps to discover new developments in X-ray instrumentation, measurement techniques, analysis, and applications. Special attention is paid to the presentation of such up-to-date research area as experiments at synchrotrons and XFELs. Besides, XTOP demonstrates introduction of state-of-the-art approaches to analysis like artificial intelligence to solve the most challenging problems. For this purpose, the conference gathers outstanding experts worldwide for giving presentations.



Nuclear Forensics Undergraduate Summer School



The [Nuclear Forensics Undergraduate Summer School \(NFUSS\)](#) is a six-week course, sponsored by the [Department of Homeland Security \(DHS\)](#), designed to provide undergraduate students with comprehensive, experimental, hands-on training in topics essential to nuclear forensics. Through laboratory experiments and complementary lectures, students are introduced to the practice and technical aspects of nuclear forensic science. The NFUSS program will be

held at the [University of Texas at Austin](#) and will also include a tour of [Oak Ridge National Laboratory \(ORNL\)](#).

Eligibility

Candidates must:

- Be at least 18 years old at time of application
- Be a U.S. citizen
- Be enrolled full-time as a degree-seeking student in a science, mathematics, or engineering program at an accredited four-year U.S. college or university
- Have completed at least two years of college-level coursework
- Have a minimum overall cumulative GPA of at least 3.0

Benefits

You will receive a \$5,000 stipend, and the program will cover your tuition, fees, housing, meals, and travel reimbursement for the program at the University of Texas-Austin and for the field trip to Oak Ridge National Laboratory.

How to Apply

Submit your application here: <https://www.zintellect.com/>

Application Deadline

Applications must be submitted by March 6, 2020, at 3:00 p.m. ET.

Jobs

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

Opportunity

Deadline

[Director](#) of Cornell Laboratory for Accelerator-based Sciences and Education.

Please see the link

NSF through its [Data analysis and statistics internship program](#) is accepting full and part-time internships.

Please see the link

[Information Technology Associate](#) with the Office of research and Dev. At the EPA facility in Cincinnati, OH

Please see the link

[Science Advisor Communication Support](#) with the Office of Research and Dev. At the EPA facility in Washington, D.C.

Please see the link

[Science Software Developer](#) with the Office of Research and Dev. at the EPA facility in Raleigh, N.C.

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).

Jorge A. Lopez

Physics Department, UTEP

915-747-7528, Activities

21 attachments



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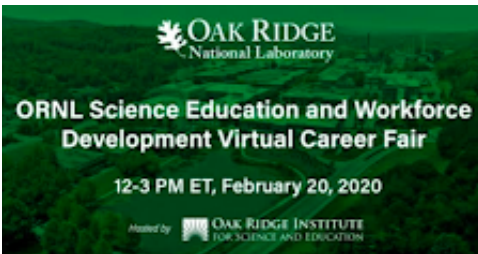


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