

Yale Department of Physics

Yale Physics Newsletter

March 8, 2019

For further information on any of the items included here or if you would like to contribute to the next newsletter, send email to [Daphne Klemme](mailto:Daphne.Klemme).

Hints & Tips!

Welcome to our new hints and tips section! Please email daphne.klemme@yale.edu with any helpful tips that will help us work to our best ability.

For job searches please send an email to daphne.klemme@yale.edu with the job search title and application deadline. Please also indicate when you would like the information to be removed from <http://physics.yale.edu/job-openings>.

Climate and Diversity Committee News

A Note from the [Climate and Diversity Committee](#) (CDC).

Happy International Women's Day! Happy International Women's Day! The first of these annual celebrations took place in 1911. It recognizes women's achievements and highlights the ongoing struggle for gender equality worldwide. Among the activities CNN has a live feed (<https://www.cnn.com/world/live-news/international-womens-day-2019-stories/index.html>) which is updating regularly with a variety of pieces on Women around the globe.

The CDC convenes once a month. If interested in joining please contact Helen Caines (helen.caines@yale.edu, Chair of CDC). You may contact the whole committee at physics-cdc@mailman.yale.edu

News

Bonnie Fleming (Professor of Physics) has been awarded the 2018 Division of Particles and Fields Mentoring Award from the American Physical Society. [Click here for full story](#).

Hui Cao named the John C. Malone Professor of Applied Physics and of Physics. [Click here for full story](#).

CHEMICAL PURCHASE REMINDER

Chemicals are **never** allowed to be purchased on a p-card. Chemicals are a **restricted item** from purchasing with a p-card and all orders for chemicals "**must**" be

Save the Date

The Graduate Recruitment Open House is being held Thursday, March 28 and Friday, March 29, 2019.

Seminars

Monday, March 11

11:00am in Sloane Physics Lab 57. PEB Distinguished Speaker. Prof. Françoise Brochard-Wyart, Institut Curie / Paris-Sorbonne University, "Cellular aggregates and microparticles: Spontaneous migration, eating, dancing".

Tuesday, March 12

11:00am in Yale Quantum Institute Seminar Room. Yale Quantum Institute Seminar. Ulrik Lund Andersen, Technical University of Denmark, "Quantum optical experiments with continuous variables". Host: Liang Jiang.

1:30pm in Wright Lab-Connector 245. Weak Interaction Discussion Group Seminar. Jacopo Ferretti, Yale University, "Exotic meson spectroscopy".

Wednesday, March 13

1:00pm in Mann Engineer Student Center, Dunham Lab 107. Special Solid State & Optics Seminar. Savannah S. Garmon, Osaka Prefecture University, Japan, "Non-Markovian dynamics revealed at the bound state in continuum". Host: Douglas Stone.

5:00pm in Yale Quantum Institute 402. Yale Quantum Institute Networking & Professional Development Series. Savannah S. Garmon, Osaka Prefecture University, "Navigating physics and activism as a transgender woman and feminist". Refreshments and snacks will be provided after the talk to continue the discussion in an informal setting.

Friday, March 15

12:00pm in Sloane Physics Lab 59. Sackler Discussion Group. Bara Badwan, Chemical Engineering, "Dynamic nonlinearities enable direction-occupancy in Drosophila elementary motion detectors" and Mary Grace Velasco, Biomedical Engineering, "Two-photon STED microscopy for super-resolution imaging in live mice". Lunch served at 11:45am.

For more seminars see: <http://physics.yale.edu/calendar>

obtained via a purchase order **no exceptions** per the controller's office. All PO requests for chemicals must be accompanied by the "first page" of the MSDS (Material Safety Data Sheet), now commonly shortened to SDS. That's the appropriate place to locate hazard (HMIS) information letting us know how to code it.

The HMIS (Hazard Material Identification System) should be used to determine whether a chemical is hazardous or not. The areas of the HMIS system are Health, Flammability, Reactivity/Physical Hazard, and Personal Protection. The rating system goes from 0-4

for each item except Personal Protection. Zero is least hazardous, 4 is most.

The **6th Annual Yale Biophysics and Structural Biology Symposium** will take place April 26, 2019 in SCL 160. Yale graduate students and professors will present their research throughout the day. Breakfast and lunch will be provided, followed by a social hour. Graduate students/post-docs are encouraged to present a poster. [Please follow the link to register.](#)

Yale Travel News – Travel Update March 2019 highlights!

- New Haven Welcomes the Blake Hotel*
- Travel Policies and Procedures - All in One Place*
- The Egencia Mobile App – Great for Business Travel*
- U.S. Country Sanctions and Economic Embargoes*
- International SOS App*
- Summer Housing for Yale Affiliates*
- Egenica Training Classes – first Friday of every month*
- And other stories*



[Click here for the full stories from the March 2019 Issue](#)

Laura Newburgh (Assistant Professor of Physics) research in the news. CHIME paper has made the cover of Nature Magazine (February 14, 2019). CHIME Papers links:

- [Nature](#)
- [New York Times](#)
- [Altmetric](#)

Figure 1: Cover of Nature Magazine (February 14, 2019)

[Click here for updated department news.](#)

Announcements

[Please click here for updates on the Yale Science Building, including a new logistics plan.](#) The project encompasses the construction of a new state of the art sciences laboratory at the approximate location of the demolished J.W. Gibbs building, a comprehensive renovation of the KBT Plaza, a lecture hall, and a common area at the south end of KBT Plaza.

Julia Robinson Math Festival seeking volunteers

Want to challenge your teaching skills by helping middle/high schoolers solve fun puzzles in math/logic? We are looking for volunteers (~3 hours commitment) to help with the Julia Robinson Mathematics Festival, which will be held at Yale on Sunday, March 31, 2019, from 9 AM to 12 PM (see attached flyer). At this event, students will solve a series of fun and creative math problems and puzzles designed by the national group (examples can be found on their website

<http://jrmf.org/>). The inaugural festival was held at Google in 2007. Since then, several companies and universities have organized these festivals around the country. This will be the **fifth time at Yale!**

We are looking for volunteers to help guide groups of students through these problems, which range in difficulty but require minimal prior experience. Volunteers should be available on **Sunday, March 31 from 8:15 AM to 12 PM** (to help set up before the festival). This event is sure to be fun for both participants and volunteers interested in STEM education.

If you are interested in volunteering at this event, please write to sohan.vartak@yale.edu.

Workday Update this Saturday

Due to a scheduled update, Workday will be unavailable this Saturday, March 9, from 2 a.m. to 10 a.m. More information about the new functionality available after the update can be found by [clicking here](#).

Utility Service Interruption Notice!

Shutdown Scheduled on: **03/11/2019 07:00 AM** thru **03/11/2019 03:00 PM**.

Building(s):

- A.K. WATSON HALL
- BASS CENTER
- BASS LIBRARY
- BECTON E&AS CENTER
- BEINECKE LIBRARY
- BENJAMIN FRANKLIN COLLEGE
- BERKELEY COLLEGE
- CHEMICAL SAFETY BLDG
- CHEMISTRY RES BLDG
- COLLEGE ST, 451
- DOW HALL
- DUNHAM LAB
- EDWARD P EVANS HALL
- ELM ST, 143
- ELM ST, 149
- ENVIRONMTL SCIENCE CTR
- EVANS HALL, THOMAS M.**
- FOUNDERS HALL
- GRACE HOPPER COLLEGE
- HENDRIE HALL
- HILLHOUSE AVE,15
- HILLHOUSE AVE,17
- HILLHOUSE AVE,46**
- INGALLS RINK
- KIRTLAND HALL
- KLINE BIOLOGY TOWER
- KLINE CHEMISTRY LAB
- KLINE GEOLOGY LAB
- LEET OLIVER MEM HALL
- LEIGH HALL
- LUCE HALL, HENRY R.
- MALONE ENGIN CENTER
- MASON LAB
- MEDICAL SCREEN TRAILER

OSBORN MEMORIAL LAB
PAULI MURRAY COLLEGE
PEABODY MUSEUM
PIERSON-SAGE GARAGE
ROSENFELD HALL
ROSENKRANZ HALL
SACHEM ST, 10
SCHWARZMAN CENTER
SHEFFD-STERL-STRATHC
SILLIMAN COLLEGE
SLIFKA CENTER, JOSEPH
SLOANE PHYSICS LAB
SPRAGUE HALL,ARNOLD
TEMPLE ST, 302
TIMOTHY DWIGHT COLL.
W. L. HARKNESS HALL
WALL ST, 82-90
WATSON CENTER
WOODBIDGE HALL
WOOLSEY HALL
YALE HEALTH CENTER
YALE SCIENCE BUILDING

Utility Interrupted: Alternate Electrical Service

Affected Area: Electrical Alternate Power. Normal power will not be affected, this will be seamless to the occupants.

Shutdown Description: To support the diesel generator switch gear project at the central power plant

Please contact Casalaina, Frank at +1 (203) 436-2894 or the Facilities Operations Service Center at 2-6888