

Yale Department of Physics

Yale Physics Newsletter

February 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 questions regarding graduate studies or graduate student affairs please contact Susan dos Santos (susan.dossantos@yale.edu) and for questions regarding undergraduate studies or undergraduate student affairs please contact Daphne Klemme (daphne.klemme@yale.edu).

Climate and Diversity Committee News

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

February is Black History Month, the APS has a great web page (<https://www.aip.org/diversity-initiatives/black-history-month>) dedicated to the many African-American scientists working in physics. We encourage you to take a look and spend a few minutes in your class, study hall, or group meeting this month to acknowledge the work one of these excellent, often overlooked, role models.

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

Travel Update from Yale Travel Management (February 2019)

How Basic Economy fares can ruin your trip

Sometimes no-frills flying works, getting from point A to point B with no inflight movie required. But travelers could unwittingly be purchasing a fair that has no free access to overhead bins or other limitations. Yale Travel suppresses these fairs in Egencia and provides some advice about reading the fine print before you book and which airlines may be better choices.

[Learn more](#)

Save the Date

Save the dates! Graduate Recruitment Open House is being held March 28-29, 2019.

Seminars

Monday, February 11

2:30pm in Mason Lab 107. Department of Mechanical Engineering and Materials Science Seminar. Dr. You Zhou, Harvard University, "Harnessing quantum materials for energy technologies". Host: Udo Schwarz. Refreshments served at 2:15pm.

3:30pm in Sloane Physics Lab 57. Physics Club. Ned Wingreen, Princeton University, "Adaptive immunity for physicists". Host: Ben Machta. Tea after the talk outside the lecture hall.

Tuesday, February 12

10:30am in A.K. Watson 200. Computer Science Recruit Colloquium. Aishwarya Agrawal, Georgia Tech, "Visual Question Answering and Beyond". Host: Holly Rushmeier.

Wednesday, February 13

10:30am in Sloane Physics Lab 51. Graduate Methods Seminar. Danny Seara, Yale University, "Midnight in Paris: Laplace, Legendre, and Large Deviations".

1:00pm in Mann Engineer Student Center 107 (Dunham Lab). Solid State & Optics Seminar. Edbert Sie, Stanford University, "Ultrafast Optical Control of Quantum Materials". Host: Sohrab Ismail-Beigi.

4:00pm in Sterling Chemistry Lab 160. Molecular, Cellular and Developmental Biology Seminar. Victor Ambros, UMass, "Function and development regulation of let-7 family microRNAs in *C. Elegans*". Host: Josien van Wolfswinkel. Tea at 3:45pm.

4:00pm in William L. Harkness Hall 116. IEEE Electrical Engineering Month. Roman Kuc, Yale University, "Signals & Systems". Food will be served.

4:15pm in LOM 215. Department of Mathematics Colloquium. Vlad Markovic,

Thursday, February 14

1:00pm in Wright Lab 216. Nuclear Particle Astrophysics (NPA) Seminar. Zhangbu Xu, BNL, "Probe extreme (peta-Tesla) electromagnetic field with Breit-Wheeler process". Host: Saehanseul Oh. Lunch will be served in Wright Lab-Connector 245 from 12:00-1:00pm. [RSVP required](#).

4:00pm in Mann Engineer Student Center 107 (Dunham Lab). Department of Electrical Engineering Seminar. Lisa Wu, University of California, Berkeley, "Hardware Acceleration in the World of Emerging Applications". Host: Rajit Manohar.

Friday, February 15

11:00am in Mann Engineer Student Center 107 (Dunham Lab).
Special Solid State & Optics Seminar. Ji-Xin Cheng, Boston University, "Label-free chemical imaging: Unveiling hidden signatures for molecule-based diagnosis and treatment".
Host: Hui Cao.

12:00pm in Sloane Physics Lab 59. Sackler Discussion Group.
Chris Anderson, Experimental Pathology (Qyang Lab), "Production of a beating conduit for the modified Fontan procedure" and Neelima Sharma, Mechanical Engineering and Materials Science (Venkadesan Lab), "Dynamics of static finger contact". Lunch served at 11:45am.

4:00pm in Kline Geology Lab 123. Geology & Geophysics Colloquium. Harriet Lau, "Tidal Tomography: What an often-neglected phenomenon known as Earth tides can tell us about buoyancy in the deepest part of the mantle".

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

Real-time approvals no longer available for the ESTA

The US Customs and Border Protection Agency (CBP) announced, in December 2018, that real-time approvals will no longer be available for the Electronic System for Travel Authorization (ESTA). CBP reinforced the requirement that customers, from Visa-Waiver-Program countries, should apply for their ESTA no less than 72 hours before their international flight is scheduled to depart.

[Learn more](#)

New mileage rates

Effective January 1, 2019, the standard mileage reimbursement rates for the use of a car, van, pickup or panel truck have changed. The new rates apply to expenses incurred on or after January 1, 2019.

[Learn more](#)

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.

Yale Housing Fair

Need a place to live?

Members of the Yale community are invited to the 5th annual housing fair (admission free) at 150 York Street on Sunday, February 10, from 1:00-4:00 p.m. Visit property owners and real estate vendors if you are looking for a condo, apartment, or permanent house. [Refreshments, popcorn, photos with Boola, and much more.](#)