

# Yale Department of Physics

Yale Physics Newsletter

October 6, 2017

## News

In November, Yale will launch a new collaboration and communication tool called Zoom. With Zoom, Yale faculty, students, and staff with a Yale NetID can host a voice and/or video meeting, while sharing content online with anyone, anytime, anywhere. [Click here](#) for the full story.

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**The Working Women's Network at Yale** would like to promote and support efforts for women and families who have been impacted by recent natural disasters, such as hurricanes Harvey, Irma, and Maria. It is of the utmost importance that these groups have access to basic supplies that might otherwise be overlooked, such as tampons, pads, and diapers.

Check out the link below for a list of donation centers and relief websites that are assisting in these efforts. We encourage you to visit their sites, donate, and spread the word.

[CLICK FOR MORE INFORMATION](#)

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**Yale Office of Career Strategy** has a staff of 18 who collaborate to support GSAS and Yale College students, postdocs, and alumni through each step of their job search. We offer advising and programming for GSAS students and postdocs exploring **non-academic careers**. [Click here](#) for the October newsletter.

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**Yale News** Kimberly Goff Crews, secretary and vice president for student life, sent the following message to students about new and updated resources to address discrimination or harassment concerns.

Yale is a community committed to diversity and inclusion; we educate aspiring leaders — diverse in identities and ideas — who will serve across the world, in all sectors of society. Yale is a place to explore the breadth of your intellectual curiosity, the depth of your humanity, and the rigors of purposeful scholarship and creative practice. [Click here](#) for complete story.

For more news please see <http://physics.yale.edu/news>

## Save the Date

October 17-22, 2017 is October Recess

## Seminars

**Monday, October 9** Yale Physics Professional Development Organization Event. Liz McCormack (Bowdoin College) and Ken Segall (Colgate University), "Panel Discussion on Careers at Liberal Arts Colleges", Wright Lab, WLC 108 at 11:00am. Host: YPPDO.

**Monday, October 9** Yale Physics Club. John M.W. Bush, MIT, "Pilot-wave hydrodynamics", SPL 57 at 3:30pm. Tea served after the talk in SPL Third Floor Lounge. Host: John Wettlaufer.

**Monday, October 9** Department of Molecular Biophysics and Biochemistry Departmental Colloquium. Adrian W. Moore, Riken Brain Science Institute, "Specification of neuron type: from transcription to writing", Hope 110 at 4:00pm. Tea at 3:45pm. Host: Tony Koleske.

**Tuesday, October 10** Yale Quantum Institute Seminar. Ken Segall, Colgate University, "Think Super: Artificial Neurons made from Superconductors", YQI Seminar Room at 11:00am. Host: Daniel Prober.

**Tuesday, October 10** Yale Center for Astronomy and Astrophysics Seminar. Mia Bovill, Space Telescope Science Institute, "Implications for Pop III Galaxies in the JWST Era", WTS A-51, at 2:30pm. Coffee/tea and cookies will be served before the seminar at 2 PM in the coffee lounge of Steinbach Hall (52 Hillhouse).

**Tuesday, October 10** Particle Theory Seminar. Matt Reece, Harvard, "The Weak Gravity Conjecture and Ultraviolet Cutoffs", SPL 52 at 4:00pm.

**Wednesday, October 11** Department of Applied Physics Solid State & Optics Seminar. Prof. G. P. Tsironis, Harvard University, "Electromagnetic wave propagation in complex media: extreme events and chimeras", Becton Seminar room at 1:00pm. Host: Hui Cao.

**Wednesday, October 11** Founders Day 2017. President's Drop-In, David Friend Hall, Peabody Museum at 1:30pm. [Click here](#) for more information.

**Wednesday, October 11** Department of Molecular, Cellular and Developmental Biology Seminar. Josh Dubnau, Stony Brook, "A transposon storm in the brain: The dark matter of the genome as a player in neurodegeneration", SCL 160 at 4:00pm. Host: Yannick Jacob.

**Wednesday, October 11** Department of Geology & Geophysics Colloquium. Jim Gaherty, Columbia University, "Title TBA", KGL 123 at 4:00pm.

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**Wednesday, October 11** Department of Mathematics Colloquium. Ivan Losev, Northeastern, "Orbit method via deformations of singular symplectic varieties", LOM 215 at 4:15pm.

**Thursday, October 12** Condensed Matter Seminar. Luka Trifunovic, Free University of Berlin - "Reflection symmetric second-order topological insulators and superconductors", SPL 52 at 1:00pm.

**Thursday, October 12** Astronomy Colloquium. Risa Wechsler, Stanford University, "Cosmology from the Dark Energy Survey and Beyond", WTS A-51 at 2:30pm.

**Thursday, October 12** Yale Center for Teaching and Learning STEM Education Seminar. Dr. Sanjoy Mahajan, Olin College of Engineering, "21<sup>st</sup> Century Instructional Design", Becton Seminar Room at 3:00pm.

**Friday, October 13** Department of Applied Physics Solid State & Optics Special Seminar. Prof. Frank Scheffold, University of Fribourg, "Band Gap Formation and Anderson Localization in Hyperuniform Disordered Photonic Materials", Becton Seminar room at 11:00am. Host: Hui Cao.

**Friday, October 13** Department of Astronomy Event. 4<sup>th</sup> Annual Gruber Cosmology Conference, Henry R. Luce Hall, rm. 101 (Auditorium) all day.

**Saturday, October 14** Department of Astronomy Event. 4<sup>th</sup> Annual Gruber Cosmology Conference, Henry R. Luce Hall, rm. 101 (Auditorium) all day.

**Saturday, October 14** Yale Pathways to Science Flipped Science Fair. You be the judge at this brand-new event that flips the traditional science fair format on its head! Middle school 7th & 8th grade student judges will evaluate Yale student's "science fair" projects in their research areas of neuroscience, cell biology, ecology, immunology, and more! We need YOU to be the judge! Learn about cutting edge research from real Yale scientists in a unique, interactive, small group setting. Never judged a science fair? Yea, we know. That's why we will show you how its done! Registration required here. Lunch is included. [Click here](#) to register.

**Saturday, October 14** Yale Physics Olympics. This event is free to all registered participants. Teams must consist of 4 currently enrolled high school students and a teacher/coach. Space is limited to 50 teams, so if you are sure you can field a team, register early to ensure a spot. Team members and coaches should be able to attend the entire event which lasts from 8:30am to about 4:00pm. While this is a competition, it is friendly and accessible to all students. We make sure everyone has fun with physics! All events held in Sloane Physics Lab, 8:30am-4:00pm. Awards ceremony in Sterling Chemistry Lab, rm. 110.

**Saturday, October 14** Science on Saturdays at Yale. Jack Harris, Yale University, "Quantum Physics: Scientific Surprises All Around Us", Sterling Chemistry Lab at 10:00am (Hand-on Demonstrations) and 11:00am (Lecture).

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

## Announcements

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](#).

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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.

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**Yale Health Center – Get your Flu shot!**

## [Flu Shot Information](#)

Flu clinics are available on a walk-in basis for Yale Health members, Yale University employees, and Yale University students. Children under 18 must be accompanied by a parent or guardian. No registration is necessary.

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## **The Norwegian Academy of Science and Letters**

announces the call for nominations 2018 for the Kavli Prize for Outstanding Scientific Research in Astrophysics, Nanoscience, and Neuroscience. Nomination Deadline: December 1, 2017. [Click here](#) for further information.

## [Jobs](#)

**Engility's Space Systems Group.** We provide specialized engineering, analysis, and operations support to NASA and a variety of Intelligence Community (IC) and Department of Defense (DoD) customers. The Space Systems Group has multiple STEM internship positions available for the summer of 2018. These interns will be performing mission analysis and technical advisory services for various programs in the Space Systems Group. All of the positions under this job requisite will be located in Chantilly, VA (near Washington DC).

If interested candidates, can apply for the position by clicking the link below:

<https://careers-engility.icims.com/jobs/38381/stem-internship/job>

Alternatively, candidates can go to [engilitycorp.com](#)'s career page and search for the following job number:

STEM Internship 38381

Due to the lengthy security clearance process, candidates interested in a position for next summer should apply as soon as possible. Space Systems Group will be moving forward with interviews and offers by the end of October.