

Yale Department of Physics

Yale Physics Newsletter

August 17, 2018

News

Helen Betty (Meyerson) Elston passed away August 1 at the age of 98. Helen was born in New Haven on October 22, 1919, the daughter of Jacob and Fanny Meyerson.

Helen, after raising her two sons, was the Administrative Assistant to the Chairman of the Physics Department at Yale for many years.

[Click here for the full obituary in the New Haven register.](#)

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Wright Laboratory and the Physics Department at Yale University are hosting a symposium in celebration of the career of Professor Francesco Iachello, titled SYMMETRIES AND ORDER: Algebraic Methods in Many Body Systems. The two-day symposium will consist of talks and conversations on topics to which Professor Iachello made significant contributions, spanning the fields broadly categorized as Nuclear Structure, Molecular and Hadronic Structure, Neutrino Physics and Double Beta Decay, and Symmetries and Phase Transitions. There will be ample opportunity to discuss and catch up with your friends and colleagues.

SYMMETRIES AND ORDER: Algebraic Methods in Many Body Systems

Date: October 5-6, 2018 (Friday - Saturday)

Location: Sloan Physics Laboratory, Yale University, New Haven, CT

Conference website:

<https://sites.google.com/yale.edu/symmetriesandorder>

Registration:

Please register via the [registration form](#) to let us know whether you will be attending. The registration deadline is Sept. 4. If you have already let us know you will be attending, there is no need to register again, although do let us know if you have dietary restrictions or any other requests. We will update the [list of participants](#) periodically.

Travel & Lodging:

Please find details on the [conference website under "Location"](#). We have blocked rooms at the New Haven Hotel and Omni and list several hotel recommendations on the page. The rooms are held until September 4, 2018.

Save the Date

Fall term classes start on August 29, 2018. **Please note that Monday classes will meet on Friday, August 31, 2018 due to the Labor Day Holiday.**

Seminars

Thursday, August 23 Special Solid State & Optics Seminar. Prof. Ben Z. Steinberg, Tel Aviv University, "On the Electrodynamics of 2D Rotating Structures and Metamaterials in their Rest Frame of Reference", Becton Seminar Room at 11:00am. Host: Prof. Hui Cao.

Special Events

Friday, August 24 Graduate Student Orientation, SPL 3rd Floor Lounge at 9:00am. Host: Sandra Tranquilli.

Thursday, August 30 Qualifying Exam, Part 1 (9:00am-11:30am) and Part 2 (2:00pm-4:30pm) in SPL 57.

Friday, August 31 Qualifying Exam, Part 3 (9:00am-11:30am) and Part 4 (2:00pm-4:30pm) in SPL 57.

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

Registration & Hotel Deadline: September 4, 2018:

For assistance, please email symmetries@yale.edu or contact Cathy Barabas at +1 (203) 432-6914.

Organizers:

Reina Maruyama (Yale), Mark Caprio (University of Notre Dame), Roelof Bijker (UNAM), Baha Balantekin (University of Wisconsin)

Local Organizing Committee: Helen Caines, Rick Casten, Bonnie Fleming, John Harris, Karsten Heeger, Reina Maruyama, David Moore

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APS Bridge Program and National Mentoring Community Conference

We would like to invite you to the [2018 APS Bridge Program and National Mentoring Community Conference](#) at Google HQ and Stanford University in California on November 16-18. The discounted Bridge Member registration rate of \$295 can be accessed using discount code **BPMEMB18**.

This conference will focus on strengthening mentoring relationships, building firm foundations for successful physics student experiences, and providing learning and networking opportunities on other topics related to diversity in physics graduate and undergraduate education. Some session topics include:

- Holistic admissions: Lessons learned from IGEN and Bridge
- Preparing students for careers in the public and private sector
- Building trust in mentor/mentee relationships
- Best practices for mentoring for retention
- Helping mentees develop time management skills
- And more!

In addition to our engaging workshops and plenaries, we will also have a number of formal and informal opportunities for networking, including discussions with national labs and industry representatives, a student poster session, and a networking fair.

This will be an excellent opportunity for you to connect with students, faculty and other physics community members who are passionate about improving graduate education in physics for all.

[Register Now](#)

Registration for this conference will close on October 31, 2018. We will not be accepting any more registrations after this date.

We hope to see you in November!

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Summer Research in Physics!

Tong Liu, a rising second-year grad student is working with students and faculty from other institutions at the STAR experiment at Brookhaven National Lab. STAR is a heavy ion collision experiment at the Relativistic Heavy Ion Collider (RHIC), studying nuclear phenomena including the Quark Gluon Plasma (QGP), a novel form of matter formed at extremely high temperatures and densities. Tong worked on dismantling the Forward Meson Spectrometer (FMS), which has finished its service at the STAR experiment.

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Center for Teaching and Learning - Fall 2018 Yale Scientific Teaching Course for Graduate Students & Postdocs

WEDNESDAYS

9 a.m. - 11 a.m.

301 York Street

The CTL invites Yale University graduate students and postdocs to apply for the semester-long course, **B&BS 879: Theory and Practice of Scientific Teaching for Life Scientists**.

The goal of this course is to improve undergraduate science education by training a new generation of scientific teachers to bring the spirit and rigor of research into the undergraduate classroom. Participants in the course will learn evidence-based teaching strategies, including:

- engaging students through active learning
- incorporating inclusive teaching practices
- developing effective assessments

Participants will then apply the knowledge they have learned to developing teaching materials for

dissemination to the larger scientific teaching community. The Fall 2018 instructor is Dr. Elizabeth Morse Luoma, STEM Education Program Director at the CTL. Applications are due Wednesday, August 15. Classes will begin on Wednesday, August 29.

[Learn More & Apply](#)

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Center for Teaching & Learning – STEM Education Events & Opportunities.

#InclusiveSciComm: A Symposium on Advancing Inclusive Public Engagement with Science

Hosted by the University of Rhode Island's [Metcalf Institute](#) in partnership with the [Rhode Island Consortium for Coastal Ecology Assessment Innovation & Modeling](#) (RI C-AIM), the symposium will bring together professionals and students across a wide range of disciplines to discuss challenges, opportunities, and strategies for prioritizing inclusive approaches toward science communication and public engagement with science.

The [planning committee](#) was inspired by the critical need for an organized national conversation on making public engagement with science more inclusive at all levels: practice, training, education, research, etc. As you will [see from the agenda](#), the symposium is designed to share successful practices and models for engaging diverse public audiences in ways that acknowledge and respect their perspectives and contributions. We expect this symposium will yield many new ideas and collaborations, and will serve as the launch pad for a much richer national conversation on these topics, across many disciplines and communities.

Registration is limited to 150 people. We hope you will be one of them. Please share this announcement widely.

DATES:

September 28 & 29, 2018

Kingston, Rhode Island

[Learn More and Register Online](#)

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University Registrar's Office News - 2018-2019 Course Information Now Available in Yale Course Search

2018-2019 course information is now available for viewing in Yale Course Search (YCS). [Yale Course Search](#) is now the exclusive online application for viewing course information, replacing the Online Course Information (OCI) and Yale Blue Book (YBB) systems. YCS has been implemented as a more user friendly application for searching courses, which includes a responsive design and an easier user interface. For more information about YCS, including helpful tutorials and FAQs, see the [Yale Course Search Resources webpage](#). The features of YCS allow you to perform similar functions as you did in OCI and YBB, such as:

- Search for course information
- Find classroom assignment information when it becomes available

- View final exam information when it becomes available

Coming soon, YCS will be further enhanced to include:

- Historical data going back five years
- The ability to search across all terms
- The ability to link directly to individual courses

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Yale ITS Quick tip: Create favorites in the IT Service Portal

Do you repeatedly reference the same Services, knowledge articles, or custom structured request forms? If so, you can [create favorites within the IT Service Portal](#) for quick access from any browser or computer that you use to log into the IT Service Portal from.

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Yale Travel News - Tweed New Haven Adds Nonstop Flights To Charlotte

Starting in December, American Airlines will be adding weekly nonstop flight service between Tweed New Haven Regional Airport and Charlotte Douglas International Airport in Charlotte, NC.

American currently offers daily nonstop flights from Tweed to Philadelphia on its 50-seat American Eagle regional jet aircraft.

For more news please see <http://physics.yale.edu/news>
[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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The 5th annual Gruber Cosmology Conference will be held at Yale on Friday, September 21, 2018. This one-day conference is in celebration of the Gruber Cosmology prize, awarded this year to the Planck team.

This year's speakers include Lindsay Bleem, Susan Clark, Jo Dunkley, Brandon Hensley, Laura Newburgh and others. Registration and more information to follow at the end of the summer.

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The NASA Innovative Advanced Concepts (NIAC) program would like to cordially invite you to attend our 2018 NIAC Symposium, which will be held September 25-27th in Boston, Massachusetts. This event is free and open to the public. Please feel free to register online: <http://www.cvent.com/events/2018-niac-symposium/event-summary-9740b1039c4946e481c28436d7d96be6.aspx> .

The annual NIAC Symposium introduces currently funded Phase I and Phase II Fellows' multidisciplinary research. NIAC concepts cover a wide range of innovations in a broad range of sciences. Many produce breakthroughs that hold the promise of accelerating NASA's progress toward its goals of exploration beyond low-Earth orbit, missions to an asteroid and Mars and other priority areas in all of NASA's mission directorates. NIAC Symposia also feature exciting keynote addresses to inspire participants. For additional information about the event, please visit the NIAC Symposium page: <https://www.nasa.gov/content/niac-symposium>.

For those unable to attend live, the event will be streaming through a Livestream link: www.livestream.com/viewnow/NIAC2018

We hope you are able to join us! Additionally, feel free to share a flyer for the event with all details: https://www.nasa.gov/sites/default/files/atoms/files/2018_niac_fall_symposium.pdf

For those interested in becoming a NIAC Fellow, the applications for the 2019 Phase I proposals are now live: <https://www.nasa.gov/directorates/spacetech/niac/niac-phase-i-solicitation>