

# Yale Department of Physics

Yale Physics Newsletter

August 31, 2018

## News

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.

Registration & Hotel Deadline: September 4, 2018:

For assistance, please email [symmetries@yale.edu](mailto: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)

## Save the Date

[Girls' Science Investigations](#) Session #1: The Extra-Terrestrial World will be held on September 22, 2018. [Click here for information about volunteering.](#)

## Seminars

**Tuesday, September 4** WIDG Seminar. Benjamin Saliwanchik, Yale University, "Title TBA", WL 216 at 12:00pm.

**Tuesday, September 4** Silliman Lecture in Physical Chemistry. Professor Warren Beck, Michigan State University, "Quantum Coherence in Light Harvesting Proteins and Nanoparticles", SCL 111 at 4:00pm.

**Tuesday, September 4** Particle Theory Seminar. Chris Monahan, University of Washington, "From the lattice to the light cone", SPL 52 at 4:00pm.

**Thursday, September 6** Nuclear Particle Astrophysics (NPA) Seminar. Aaron Chou, Fermilab, "Using Quantum Computing Technologies for Dark Matter Axion Detection", WL 216 at 1:00pm. Lunch in WLC-245 prior to the seminar. [RSVP Required.](#)

**Friday, September 7** Yale Institute for Nanoscience and Quantum Engineering Seminar. Sebastian Kube, Yale University, "High-Throughput Combinatorial Experiments and Data Mining for Metallic Glass Discovery" and Yuanchao Hu, Yale University, "Probing the Glass-Forming Ability of Binary Alloys by Tuning the Energetic Frustration", Becton Seminar Room at 12:00pm. Host: Prof. Corey O'Hern.

**Friday, September 7** Geology & Geophysics Colloquium. Rebecca Flowers, University of Colorado Boulder, "Title TBA", KGL 123 at 4:00pm.

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

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

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## APS Conferences for Undergraduate Women in Physics (CUWIP) 2019

Conference dates are **January 18-20, 2019**. The Application will open on September 3, 2018. [For further information please see CUWiP application page.](#) The application deadline is October 12, 2018.

[Click here for printable version of the poster.](#)

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](mailto:Daphne.Klemme).

[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.