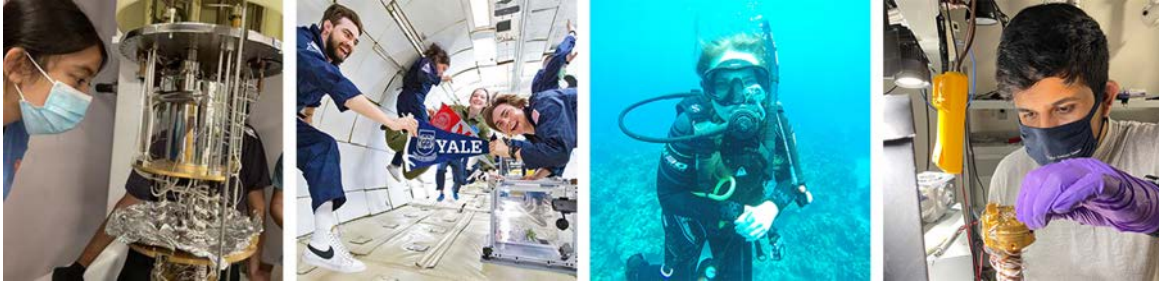


To view this email as a web page, go [here](#).

Yale Physics



Friday, February 18, 2022

Events

Monday, February 21

- 12:00 pm **Molecular Biophysics & Biochemistry Seminar:** *The end of the message: Molecular insights into the mRNA poly(A) tail machinery*, Lori Passmore, MRC Laboratory of Molecular Biology. [zoom](#). Host: Franziska Bleichert.
- 3:00 pm **Stellar Astrophysics Journal Club:** Measuring frequency and period separations in red-giant stars using machine learning Siddharth Dhanpal, Othman Benomar, Shравan Hanasoge, Abhisek Kundu, Dattaraj Dhuri, Dipankar Das, Bharat Kaul presented by Chris Lindsay, [prepare here](#), [zoom](#).
- 4:00 pm **Physics Club:** *Large-Scale Structure Cosmology in the Systematics-Limited Regime*, Elisabeth Krause, University of Arizona, [zoom](#), password: 863491. Host: Laura Newburgh.

Tuesday, February 22

- 12:00 pm **WIDG Seminar:** *Charge Reconstruction and Simulation in the nEXO Experiment*, Glenn Richardson, Yale University, [zoom](#), password: 016470. Host: Giacomo Scanavini.

Wednesday, February 23

- 12:00 pm **Molecular, Cellular and Developmental Biology Seminar:** *Non-self Recognition in Plant Immunity and Beyond*, Libo Shan, Texas A&M, [zoom](#), password: 130571. Host: Vivian Irish.
- 1:00 pm **Solid State & Optics Seminar:** *Topological Spintronics*, Dr. Nitin Samarth, Penn State University, [zoom](#). Host: Peter Schiffer.
- 4:00 pm **Earth & Planetary Sciences Colloquium:** *Gaslighted: How the Oil and Gas Industry Shortchanges Women Scientists*, Christine Williams, University of Texas at Austin, [zoom](#), password: eps2022.
- 4:15 pm **Mathematics Colloquium:** *Positroids, knots, and Catalan numbers*, Thomas Lam, University of Michigan, please contact the Department of Mathematics for [zoom](#) connection information.

Thursday, February 24

- 12:00 pm **Women in Physics+ Alumni Colloquium:** *My life and career path*, Katherine Whitaker, University of Massachusetts Amherst, [zoom](#). Host: Hannah Bossi.
- 1:00 pm **Nuclear Particle Astrophysics Seminar:** *Forward Modelling Interferometric Observations of the EoR*, Steven Murray, Arizona State University, [zoom](#), password: 274644. Host: Michael Jewell.
- 2:30 pm **Yale Astronomy Virtual Colloquium:** *Title TBA*, Fei Dai, Caltech, please contact the Astronomy Department for zoom connection information.
- All day **Physics Department Virtual Event:** *Graduate Accepted Student Open House 2022*, Takes place Thursday, February 24th and Friday, February 25th.

[More events](#)

News



Welcome to our newest Mossman Fellow

Dr. Murat Kologlu will be joining the department in the fall as the 2022 Mossman Postdoctoral Fellow.



Richard Casten featured in AIP Oral History Interview

Richard Casten, professor Emeritus of physics, was interviewed by David Zierler for the American Institute of Physics (AIP) Oral History interviews, which offer unique insights into the lives, works, and personalities of modern scientists. Interviews range in date from the early 1960s to the present and cover the major areas and discoveries of physics from the past 100 years.

New Women in Physics+ Alumni Colloquium Series

We are happy to announce that this spring we will be hosting the first Women in Physics+ Alumni Colloquium Series! This will consist of 5 virtual talks throughout the semester from Yale WiP+ Alumni from a variety of career paths and research interests.

Women in Physics+ Alumni Colloquium Series

2/24
12-1 pm
[ZOOM](#)

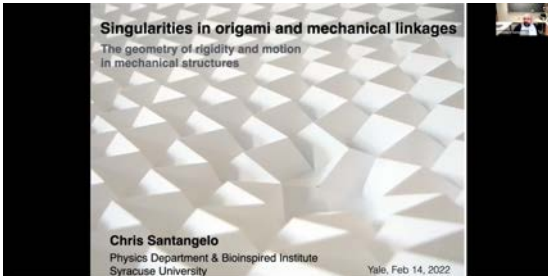


Presented by Yale Graduate Women in Physics+

PROF. KATHERINE WHITAKER

University of Massachusetts at Amherst
Ph.D. in Astronomy, Yale University 2012

Supported by the Dean's Symposium Fund



Singularities in origami and mechanical linkages
The geometry of rigidity and motion in mechanical structures

Chris Santangelo
Physics Department & Bioinspired Institute
Syracuse University

Yale, Feb 14, 2022

Physics Club, February 14th Video available

The Physics Club of February 14, 2022 was presented by Christian Santangelo of Syracuse University on "The singular physics of origami and mechanisms" hosted by Jack Harris.

[More news](#)

Community

Climate and Diversity Committee News

The [TEAM-UP report](#), released in early 2020, has been a huge influence in the Physics Department's [DEI efforts](#). Many of the themes and recommendations have worked their way into our [DEI Action Plan](#), and its influence is evident in the work of the [APS-IDEA network](#).

The report identifies five factors that support the success of African American students in physics and astronomy. The TEAM-UP project continues its work by offering a series of workshops to explore each of the five factors in detail. Next **Tuesday, February 22, 2022**, the TEAM-UP project will host the third webinar in the series titled [Personal Support: What it means to provide effective personal support to African American physics & astronomy students](#). This webinar focuses on the ways community members, such as faculty, advisors, graduate students, staff, and peers, can support the success and persistence of African American students in our classrooms, labs and department.

[More details on the webinar and registration for the event.](#)

[You can also find the first two webinars in the series here.](#)

If interested in joining the CDC, please contact Rona Ramos, Chair of CDC. You may contact the whole committee at physics-cdc@mailman.yale.edu

Yale Physics participates in the



IRIS Run for Refugees!

On Sunday, February 13, 2022 the physics department put together a team of runners to participate in the IRIS Run for Refugees. From Reina Maruyama, who organized the team, "Thank you all again for participating in the run. It was a wonderful event with wonderful people, complete with a light dusting of snow and delicious snacks at the end. We had 23 people from the department sign up with us, and we raised \$1,135 for IRIS. Good job runners and walkers, and thank you to those who volunteered for the event!"

COVID-19 update

Yale COVID-19 Information
Yale COVID-19 Statistics
COVID-19 Workplace Guidance
Yale College COVID-19 Announcements and FAQs
Yale Physics COVID-19 site
Current COVID-19 status is Yellow

Opportunities

Faculty Positions

[Asst. Prof. in Experimental Particle Physics position](#) - UPenn (Deadline until filled)

[Assistant Professor of Physics, Tenure track](#) - The College of Wooster (Deadline until filled)

[Junior Faculty Search in Fundamental symmetries \(experiment\), broadly defined](#) - UC Berkeley (Deadline until filled)

[Assistant Professor in Experimental Particle Physics](#) - University of Pennsylvania (Deadline until filled)

[Physics Faculty Position](#) - CSU San Bernardino (Deadline until filled)

[Full-Time Lecturer Position in Physics](#) - University of Massachusetts, Dartmouth College of Engineering (Deadline until filled)

[Physics Clinical Assistant Professor Position](#) - NYU (Deadline until filled)

[Associate/Full Professor, Experimental Atomic, Molecular, and Optical Physics](#) - Yale University (Deadline until filled)

[Faculty and Associate Faculty Positions](#) - Perimeter Institute (no deadline)

[Assistant Professor in Biophysics](#) - University of North Texas in Denton (no deadline)

[Assistant Professor or Associate Professor in Photonics](#) - University of North Texas in Denton (no deadline)

[Assistant Professor in Energy](#) - University of North Texas in Denton (no deadline)

Postdoctoral Positions

[McDonnell Center for the Space Sciences Postdoctoral Fellowship](#) - Washington University in St. Louis (deadline Mar. 1, 2022)

[Air Force Science & Technology Fellowships](#) (Rolling deadlines Feb 1, **May 1**, Aug 1, Nov 1)

[Postdoctoral Associate Position in Theoretical Physics](#) - Yale University (Deadline until filled)

[Product Development Engineer](#) - Hyperlight (no deadline)

[Integrated Photonics Research Scientist](#) - Hyperlight (no deadline)

Lab Positions

[Lab Director, Undergraduate Quantum Education Laboratory](#) - the University of Chicago (no deadline)

Graduate Student and Postdoc Research

[Research Fellows 2022](#) - Ikerbasque - the Basque Foundation for Science (deadline Mar. 15, 2022)

[Experimental-Physics Education Specialist](#) - Scripps College (no deadline)

[Dudley Observatory Astronomer](#) - Siena College (deadline until filled)

Undergraduate Research

[2022 Yale Undergraduate Research Symposium for Underrepresented Minorities](#) - Yale Undergraduate Research Association (deadline Mar. 5, 2022)

Research Assistant - Yale School of Medicine (contact [Navin Kumar](#) for further information)

- Research Assistant – Harm Reduction (send CV to Keyu Chen keyuchen2020@gmail.com)
- Research Assistant – Data Analysis & Harm Reduction (send CV to Keyu Chen keyuchen2020@gmail.com)

[Spring 2022 Undergraduate Internships](#) - DOE Office of Science

[Physics Research Positions for Undergraduate Physics Majors](#) - University of Notre Dame (Deadline Feb. 21, 2022)

[2022 Summer Undergraduate Research Fellowships in Sensor Science and Engineering](#) - University of Maine (deadline Feb. 28, 2022)

[Summer Undergraduate Research Internship Program](#) - U.S. CMS, Fermilab (deadline Feb. 28, 2022)

Grant Opportunities

[NASA CT Space Grant Consortium](#) (deadline Mar. 1, 2022). **Note** that the due date is 1st Mar., and that **you need to have this submitted through your departmental financial administrator, who will then get them entered into the Yale system, at least one week earlier**. Any questions, please contact the Campus Director, andrew.szymkowiak@yale.edu.

[Research Grants](#) - OPRA Association for Advancement of Research in Nuclear & Particle Physics (Deadline Apr. 14, 2022)

Summer Schools

[Les Houches Summer School on Statistical Physics and Machine Learning](#): July 4-29, 2022 (deadline Mar. 1, 2022)

[Les Houches Summer School: The New Mechanics](#) - August 1-26, 2022 (deadline Mar. 15, 2022)

[Advanced Cyperinfrastructure Training for Modeling Physical Systems](#) at Rensselaer Polytechnic Institute - Boot Camp: June 15-17, 2022 & Summer School: June 20-July 8, 2022 (deadline May 15, 2022)

Undergraduate

[Munich Center for Quantum Science and Technology \(MCQST\) Summer Bachelor Program:](#) July 31-Augst 27, 2022 (deadline Mar. 1, 2022)

[Nuclear Nonproliferation, Safeguards, and Security \(NNS\) Virtual Course](#) - Brookhaven National Laboratory. Dates: June 13-24, 2002 (deadline Mar. 4, 2022)

Other Opportunities

[Calling All Student Speakers!](#) TEDXNEWHAVEN 2022 (deadline Mar. 7, 2022)



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For further information, or to contribute to the newsletter, please send email to [Daphne Klemme](#).

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