

Yale Department of Physics

Yale Physics Newsletter

September 22, 2017

News

Congratulations to Jeff Ashenfelter (30 Years), Lil Winston (15 Years), Paula Farnsworth (15 Years), and Frank Lopez (15 Years) for their years of service in the Physics Department and at Yale.

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New book by R. Shankar, *Quantum Field Theory and Condensed Matter: An Introduction* (Cambridge Monographs on Mathematical Physics). Cambridge University Press (August 31, 2017). Available on [Amazon](#) in Hardcover or as a Kindle edition on September 30, 2017.

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.

Jobs

Hopkins School, an independent, co-educational, college-preparatory day school in New Haven, Connecticut, with over 700 students in grades 7-12, is seeking an upper school physics teacher to start immediately. [Click here](#) for further information.

Save the Date

September 30, 2017 – Girls' Science Investigations, Session #1 (The Invisible World). See <http://gsi.yale.edu/volunteering> about volunteer opportunities.

Seminars

Monday, September 25 Yale Physics Club. Kate Marvel, NASA GISS and Columbia University, "Rainfall in a Warmer World", SPL 57 at 3:30pm. Tea served after the talk in SPL Third Floor Lounge. Host: Sarah Demers.

Monday, September 25 Department of Applied Physics Special Seminar on Semiconductor Devices and Technology. Maruf Bhuiyan, Department of Electrical Engineering, Yale University, "Ionizing Radiation Effects in Emerging Transistors", Becton 3rd Floor Alcove at 3:30pm.

Monday, September 25 Department of Molecular Biophysics and Biochemistry Departmental Colloquium. Tricia Serio, UMASS Amherst, "Prion Biology: At the Intersection of Protein Misfolding and Its Cellular Environment", Bass 305 at 4:00pm. Tea at 3:45pm. Host: MB&B Graduate Students.

Tuesday, September 26 Yale Systems Biology Institute Seminar. Michael I. Miller, Johns Hopkins University, "Computational Anatomy and Diffeomorphometry: A Dynamical Systems Model of Neuroanatomy in the Soft Condensed Matter Continuum", West Campus Conference Center, Rm. 218 at 12:00pm. Lunch will be provided.

Tuesday, September 26 Women in Science at Yale (WISAY) Lecture. Christopher Kilmartin, "How to be an Ally to Women in the Sciences", KGL 123 at 12:00pm. Lunch will be served.

Tuesday, September 26 Yale Center for Astronomy and Astrophysics Seminar. John Trump, University of Connecticut, "The Supermassive Black Hole Census over Cosmic Time", 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, September 26 Yale Science & Engineering Association. Inaugural Yale STEM Career Fair, Omni New Haven Hotel at 3:00pm. YSEA will host a pre-STEM career fair workshop/pizza party Monday evening September 25 from 6:00-7:00pm at the Yale Center for Engineering Innovation and Design (CEID), Becton Center Room 107, 15 Prospect St. in New Haven. [Click here](#) for further information.

Tuesday, September 26 Particle Theory Seminar. Austin Joyce, Columbia, "Title to be announced", SPL 52 at 3:30pm.

Wednesday, September 27 Geology & Geophysics Colloquium. John Marshall, Massachusetts Institute of Technology, "Inter-hemispheric asymmetries in climate: exploring the coupling between the Inter-tropical Convergence Zone and the ocean", KGL 123 at 4:00pm.

Wednesday, September 27 Department of Mathematics Colloquium. Yifeng Liu, Northwestern, "Diophantine equations, L-functions, and period integrals", LOM 215 at 4:15pm.

Thursday, September 28 Astronomy Colloquium. Kate Whitaker, University of Connecticut, "The Cosmic Life Cycle of Massive Galaxies", WTS A-51 at 2:30pm.

Thursday, September 28 Yale Quantum Institute & The Franke Program in Science and the Humanities. Adele Myers & Emily Coates, Dancers & Choreographers, "Einstein's Happiest Dance: From dance to physics and physics to dance" at 7:30pm in Whitney Humanities Center (53 Wall Street).

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