Upcoming Events

**Monday, October 28**

**4:00pm:** Department of Chemistry Silliman Lecture in Inorganic Chemistry. Hannah Shafaat, The Ohio State University, "Looking to the Future by Modeling the Past: Design and Characterization of Engineered Metalloenzymes for Small Molecule Activation" in SCL 160.

**4:00pm:** Department of Mathematics Colloquium. Wei Ho, University of Michigan, "Integral points on elliptic curves" in LOM 206.

**5:00pm:** Department of Mathematics Colloquium. Bhargav Bhatt, University of Michigan, "Interpolating p-adic cohomology theories" in LOM 206.

**5:00pm** Yale Quantum Institute Public Conversation. Michel Devoret & Paul Kahn, Yale University, "Do you have to be a quantum physicist to speak to one?" in YQI Seminar Room.

**Tuesday, October 29**

**12:00pm:** WIDG Seminar. Patrick Bolton, University College London, "Neutrinoless Double Beta Decay Versus Direct Search Probes of the Inverse Seesaw Mechanism" in WL-C 245. RSVP for Lunch.

**4:00pm:** Department of Chemistry Silliman Lecture in Physical Chemistry. Christian Hilty, Texas A&M University, "Protein Structure, Dynamics and Folding Viewed Through..."
Hyperpolarized NMR* in SCL 111.

**4:00pm:** Particle/High Energy Theory Seminar. Mariana Carillo Gonzalez, University of Pennsylvania, "Pushing the limits of the double copy" in SPL 52. Host: David Poland.

**Wednesday, October 30**

**1:00pm:** Solid State & Optics Seminar. Prof. Jon Fan, Stanford, "New Optimization Strategies in Inverse Electromagnetics Design" in DL 107 (Mann Engineer Student Center). Host: Owen Miller.


**1:00pm:** Special NPA Seminar. Lukas Graf, Max-Planck Institute for Nuclear Physics, "Lepton Number Violation in the Nucleus and the Universe" in WL 216.

**2:30pm:** Department of Mechanical Engineering and Materials Science Seminar. Eckart Meiburg, University of California, Santa Barbara, "Settling of Cohesive Sediment: Particle-resolved Simulations" in ML 107. Host: Corey O'Hern. Refreshments served at 2:15pm.

**4:00pm:** Yale Physics Professional Development Organization (YPPDO) Seminar. Rick Li, Goldman Sachs, "From Physics to Financial Services" in WL 216. RSVP Required.

**Thursday, October 31**

**1:00pm:** Condensed Matter Seminar. Eric Heller, Harvard, "Re-thinking electrons and phonons in semiconductors and metals" in SPL 52.

**1:00pm:** Nuclear Particle Astrophysics (NPA) Seminar. Erica Smith, Indiana University, "Recent Results from the NOvA Experiment" in WL 216. Host: Pranava Surukuchi.

**2:30pm:** Yale Astronomy & Astrophysics Colloquium. David Weinberg, Ohio State University, "Decoding Chemical Evolution and Nucleosynthesis" in WTS A-51.


**4:15pm:** Department of Mathematics Colloquium. Frédéric Paulin, Université Paris-Sud 11, Orsay, "Equidistribution of common perpendiculars in negative curvature and applications" in LOM 215.

**Friday, November 1**

**12:00pm:** Poorvu Center for Teaching & Learning STEMinar. Jose Vazquez-Cognet, University of Illinois, "Curiosity and Pleasures of Learning! Using Curiosity and Information Gaps to Motivate Students to Learn" in WTS B-74.

**4:00pm:** Geology & Geophysics Colloquium. Christy Rowe, McGill University, "Title TBA" in KGL 123.

**4:30pm:** Department of Chemistry Silliman Lecture in Inorganic Chemistry. Christian Limberg, Humboldt-Universität zu Berlin, "Solid Catalysts and Enzymes as an Inspiration for the Design of Functional Molecular Compounds" in SCL 111.
News

Steven Girvin (Eugene Higgins Professor of Physics) on Here & Now on NPR about “Google’s Supercomputer Makes A Quantum Leap”

Here & Now talks with Yale University professor of physics Steven Girvin about what this quantum breakthrough means for the future of computing and our daily lives.

This segment aired on October 23, 2019.

Community

Climate and Diversity Committee

October is also Disability Awareness Month. On Mon, Nov 11 10:30-12 the last talk in the Poorvu center’s “Thinking about accessibility” series is on Accessible Word Documents, PowerPoint Presentations and PDFs: Basics (https://poorvucenter.yale.edu/event/accessible-word-documents-powerpoint-presentations-and-pdfs-basics-4). Other tips and ideas for creating an equitable and inclusive teaching environment can be found here (https://poorvucenter.yale.edu/InclusiveTeachingStrategies)

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