

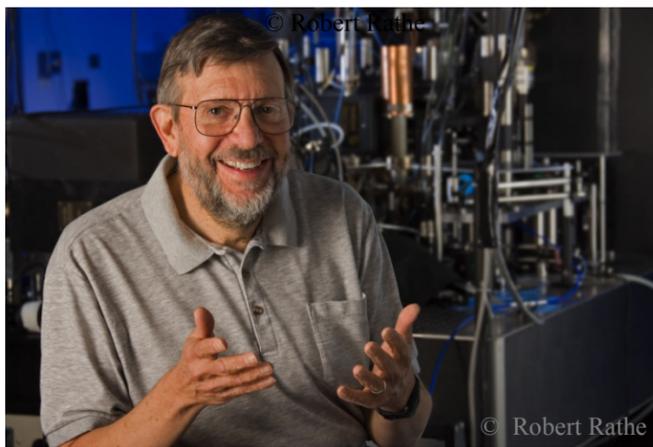
Public Lecture

Time, Einstein, and the Coolest Stuff in the Universe

Presented by

Dr. William D. Phillips, NIST

Nobel Laureate in Physics, 1997



Date: Tuesday, March 13, 2012

Time: 5:30 PM

Location: University Auditorium

UDC's Theatre of the Arts at Windom Circle

One-half block from Metro's Van Ness/UDC Red Line Station

Abstract: At the beginning of the 20th century Einstein changed the way we think about time. Today his thinking continues to shape one of the key scientific and technological wonders of contemporary life: atomic clocks, the best timekeepers ever made. Such super-accurate clocks are essential to industry, commerce, and science; they are the heart of the Global Positioning System (GPS), which guides cars, airplanes, and hikers to their destinations. Today, atomic clocks are still being improved, using atoms cooled to incredibly low temperatures for clocks accurate to better than a second in 100 million years! Such atoms also use, and allow tests of, some of Einstein's strangest predictions. Come learn about these exciting frontiers of science and technology at this free, multimedia presentation, with experimental demonstrations and down-to-earth explanations about some of today's most exciting frontiers in science and technology. Inquisitive and curious people of all ages should enjoy this lively program.

Dr. William D. Phillips is a Senior Fellow at the National Institute of Standards and Technology (NIST), where he leads the Laser Cooling and Trapping Group. He shared the 1997 Nobel Prize in physics "for development of methods to cool and trap atoms with laser light." With a physics bachelor's degree from Juniata College in Pennsylvania and a Ph.D. from MIT, Phillips started his career at NIST only a few years after it left UDC's Van Ness campus for its location in Gaithersburg.

For more information contact: Akua Sewer, asewer@udc.edu; 202-274-7461.