

# Princeton and Einstein's Legacy

The departments of Physics and Astrophysical Sciences welcome Princeton graduate alumni and their families to **Reunions 2005** with these very special events celebrating Einstein's Miracle Year and the World Year of Physics.

**Friday May 27, 2005 | 2:30–5:00 p.m. | McDonnell Hall, Lecture Room A02**

In 1905, Albert Einstein published his famous papers on quantum physics, atomic physics and the special theory of relativity—papers that transformed forever our understanding of the universe. His contributions laid the foundations for new directions in research that continue to flourish today at Princeton. This program brings together four of our most distinguished undergraduate and graduate alumni who explore different frontiers influenced by Einstein.

Come learn about Einstein's contributions and the scientific challenges they have inspired for the 21st century. Talks will be accessible for scientists and non-scientists alike, young and old!

## **Einstein and the Quest for Unification**

Professor Edward Witten '76 (Physics), School of Natural Sciences, Institute for Advanced Study. Professor Witten, 1994 James Madison Medalist, is an internationally recognized leader in theoretical elementary particle physics and string theory.

## **Einstein, Random Walks, and the Transportation System Inside a Living Cell**

Professor Clare Yu '79 '84 (Physics), Department of Physics and Astronomy, University of California Irvine. Professor Yu's research spans theoretical condensed matter physics (glassy systems, quantum computing, noise) and theoretical biological physics.

Break for Tea, Brush Gallery

## **Einstein's Quantum Legacy: Physics and Information in the 21st Century**

Professor Hideo Mabuchi '92 (Physics), Departments of Physics and Control and Dynamical Systems, California Institute of Technology. Professor Mabuchi studies highly precise physical measurements and the control of atomic and molecular systems.

## **Einstein, Relativity, and Time Travel**

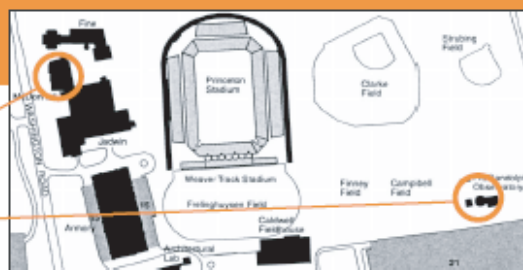
Professor J. Richard Gott '73 (Astrophysical Sciences), Department of Astrophysical Sciences, Princeton University. Professor Gott's areas of research include general relativity and cosmology.

Reception, Brush Gallery

## Telescope Open House

**Thursday, May 26 & Friday, May 27 (weather permitting)  
9:30–11:00 p.m. | Fitzrandolph Observatory**

The telescope will be open for alumni and their families (children 5+ years) to view the heavens and to learn about Princeton's OSETI (Optical Search for Extraterrestrial Intelligence) project.



McDonnell Hall

Fitzrandolph Observatory