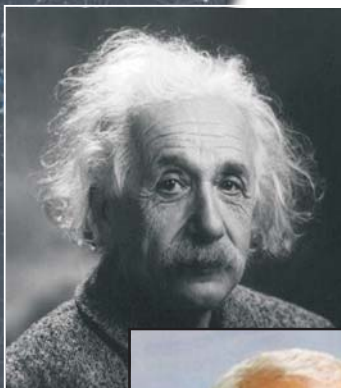




## Public Event

# Was Einstein Right?



Clifford M. Will  
**Professor of Physics**  
**Washington University, St. Louis**



How has the most celebrated scientific theory of the 20<sup>th</sup> century held up under the exacting scrutiny of planetary probes, radio telescopes, and atomic clocks? After 100 years, was Einstein right? In this lecture, celebrating the 100<sup>th</sup> anniversary of Einstein's "miracle year" and the World Year of Physics, we relate the story of testing relativity, from the 1919 measurements of the bending of light to the 1980s measurements of a decaying double-neutron-star system that reveal the action of gravity waves, to a 2004 space experiment to test whether spacetime "does the twist". We will show how a revolution in astronomy and technology led to a renaissance of general relativity and how it plays an important role in daily life.

Clifford Martin Will is the James S. McDonnell Professor of Physics, and member of the McDonnell Center for the Space Sciences at Washington University in St. Louis. Born in Hamilton, Ontario, he obtained his B.Sc. from McMaster University and his Ph.D. in Physics from Caltech. Distinguished positions include: Enrico Fermi Postdoctoral Fellow at the University of Chicago, Assistant Professor of Physics at Stanford University, an Alfred P. Sloan Foundation Fellow and a Mellon Foundation Junior Faculty Fellow while at Stanford. He has published over 160 scientific articles or abstracts and two books, *Theory and Experiment in Gravitational Physics* and *Was Einstein Right?*.

Music prior to the lecture will be provided by The Borealis String Quartet. Selections will include "Water to Ice", a specially commissioned musical composition written by Aaron Hryciw, a Ph.D. physics student at the University of Alberta, in recognition of 2005 as the World Year of Physics.

The  
*Borealis*  
string quartet

**Wednesday, October 19, 2005 7:30pm**

**Ontario Institute for Studies in Education**  
**252 Bloor Street West**  
**Auditorium - Room 161/2**

**Free Admission**

Co-sponsored by the Department of Physics, Faculty of Arts and Science, University of Toronto

