

FREE PUBLIC LECTURE

Discovery of the Binary Pulsar

Nobel Laureate & Professor Russell Hulse

Princeton University & UT-Dallas

Sponsored as part of the
**50th Anniversary Celebration of the
Beal Bank – Dallas Regional Science & Engineering Fair**

**Wednesday, 25 April 2007, 2pm
SMU Hughes-Trigg Student Center
Theater (lower level)**



Hulse's discovery was the detection of the first binary pulsar – a twin star system that provides a rare natural laboratory in which to test Albert Einstein's prediction that moving objects emit gravitational waves, as well as other aspects of his general theory of relativity. The discovery was made in 1974 by Hulse, then a 23-year-old graduate student, and his thesis adviser, Dr. Joseph Taylor Jr., utilizing the 1,000-foot radio telescope at Arecibo, Puerto Rico. The pair shared the Nobel Prize in physics in 1993. The discovery of the binary pulsar has been ranked by many as among the most significant scientific breakthroughs in the 20th Century, with implications for the fields of astrophysics and gravitational physics.

Information: (214) 768-2495

Maps <http://smu.edu/maps/>

The lecture is free and open to the public.

If you are bringing a group, please contact us in advance so we can ensure there is space.