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Green Bank Observatory  
Green Bank, West Virginia

## SPACE IS LIMITED

Please register at [Vernon Registration](#).

**Spring 2019**  
**Harcourt Vernon Lecture**  
**April 24, 2019**  
**Clayton Hall 7:30 pm**

*Featuring Guest Speaker*  
**Dr. Joseph Taylor,**  
**1993 Nobel Prize Laureate**  
**Prof. Emeritus at Princeton University**

## ***From Einstein's Theory to Gravity's Chirp***

Discovery of an orbiting pulsar in 1974 led to increasingly precise measurements that firmly established the existence of gravitational radiation in the amount and with the properties first predicted by Albert Einstein.

Join Dr. Taylor as he describes the torturous path from a theory published in 1915 to the detection of gravitational waves a hundred years later, with many fascinating developments along the way.



Left: the 1000 foot radio dish at Arecibo Observatory.  
Right: an artists rendition of a binary pulsar system.