

# Project: Laser Interferometer Gravitational-Wave Observatory (LIGO)

## Dr. Patrick Brady, Spokesperson of the LIGO Scientific Collaboration

### Cosmic collisions - progress and prospects for gravitational-wave astronomy

#### Abstract:

- Gravitational waves, the elusive ripples in spacetime predicted by Albert Einstein a century ago, have been recently directly detected by the LIGO and Virgo observatories. These observations firmly established the new field of gravitational-wave astronomy. This talk will discuss the recent progress and prospects for gravitational-wave astronomy.

#### About the Speaker:

- Patrick Brady is Professor of Physics at the University of Wisconsin-Milwaukee and Spokesperson of the LIGO Scientific Collaboration. He is broadly interested in theoretical and experimental aspects of gravitation and gravitational-wave astronomy. Professor Brady received his PhD in Physics from the University of Alberta, working with Werner Israel. He was a research associate at University of Newcastle-upon-Tyne, a Prize Fellow at Caltech, and a research associate at University of California-Santa Barbara before joining the faculty of Wisconsin-Milwaukee. Professor Brady is a recipient of Research Corporation Cottrell Scholar Award and Sloan Research Fellowship, and a co-recipient of the Special Breakthrough Prize in Fundamental Physics 2016, Gruber Cosmology prize 2016 for the recent discovery of gravitational waves.

