## APR13-2013-001015

Abstract for an Invited Paper for the APR13 Meeting of the American Physical Society

## Status of Large Scale Gravitational Wave Detectors

BRIAN O'REILLY, Caltech LIGO

In the next few years a worldwide network of gravitational wave detectors which are significant upgrades of existing facilities or new sites will commence operation at unprecedented sensitivity. Expectations are high that these detectors will make routine observations of gravitational waves from astrophysical sources such as coalescing binary systems and thereby bring a new set of observational tools to bear on the universe. The progress of upgrades and construction of these detectors will be discussed as will the timeline for them becoming operational at high sensitivities.