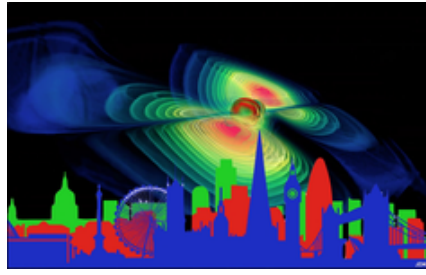


## Gravitational Wave Symposium



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# UK Hardware Development for Advanced LIGO

*Wednesday, October 26, 2016 4:30 PM (25 minutes)*

The Advanced LIGO detectors in Livingston, Louisiana and Hanford, Washington are the most sensitive length measuring devices in the world. Technology developed and delivered under the UK ALUK project include the fused silica monolithic suspensions, optical sensors/electromagnetics actuators and high voltage driver amplifiers. In this talk I will provide an overview of the fused silica suspension technology, pioneered in GEO 600, and the ongoing support/characterisation work at the sites.

**Presenter:** Prof. HAMMOND, Giles (Edinburgh)