

**Norna A Robertson, Lead Scientist, LIGO Project, Caltech and Professor of Experimental Physics, University of Glasgow**



In 2003 Norna Robertson moved to the USA from the University of Glasgow where she had been a faculty member since 1983. She is currently a lead scientist and member of the professional staff in the LIGO project at the California Institute of Technology, while also retaining a part-time professorship at the University of Glasgow. Her research is centred on experimental work towards the detection of gravitational waves, in particular in the areas of suspension and isolation. She has also worked on thermal noise issues and optical aspects of detection including laser frequency and intensity stabilisation, and investigations of low loss mirrors. Currently her work is focussed on the development of ultra-low noise multiple pendulum suspensions for Advanced LIGO. She is the leader of the Advanced LIGO suspensions subsystem, in which position she has significant project management responsibilities as well as responsibility for overseeing the scientific development from teams working in the USA and UK, including Glasgow. She is a fellow of the Royal Society of Edinburgh, the Institute of Physics, the Royal Astronomical Society and the American Physical Society.

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