

**INTERNATIONAL DAY OF LIGHT
PUBLIC LECTURE**

QUIRKY QUANTUM LIGHT

PROF ANDREW FORBES



ABSTRACT

As we celebrate the International Day of Light, and move further into 'the century of the photon', it is a little worrying that we still do not have a full grasp of what light really is. This is particularly true when we ponder the quantum nature of light, photons. For 100 years we have observed the quirky nature of photons, and have even managed to harness some of these artefacts for applications. In this talk I will highlight the contradictory visualisations we have of light, the counterintuitive quantum behaviour, and demonstrate with examples how some conventional truths are being put to the test in laboratories around the world.

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MERENSKY BUILDING, HALL ALPHA
16 MAY 6PM-7PM

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