

Andrew Shields

Leads the research on quantum information technology at Toshiba Research Europe Ltd.



Andrew Shields leads the research on quantum information technology at Toshiba Research Europe Ltd. Current interests include semiconductor implementations of quantum information processing and quantum key distribution. The Quantum Information Group at Toshiba have published over 200 papers in the field including the first report of a light emitting diode for single photons, single photon diodes at telecom wavelengths, a semiconductor source of entangled photon pairs, a practical photon number resolving detector and quantum key distribution over 100km of fibre.