



Professor James Scott, University of Cambridge

James Scott is a member of the Physics Department at Cambridge University, where he serves as a Director of Research.

Prof. Scott was elected FRS (physics) in May 2008. His citation refers to him as "the father of integrated ferroelectrics," which are ferroelectric crystal memory thin films attached to silicon or GaAs computer chips.

Prof. Scott was awarded the Materials Research Society (MRS) gold medal in December 2008 "for fundamental contributions to the materials science of oxides underlying current and future electronic devices", and the Jozef Stefan Medal from Slovenia in March 2009 (previous recipients include Nobel Prize-winners P.-G. DeGennes and Abdus Salam.)

Of the 20 Top Papers selected each year by the editors of the Journal of Physics Condensed Matter, Prof. Scott was author of 3 in 2008 and 2 in 2007 - one-eighth of the worldwide two-year total. Other publications in high-impact journals 2007-9: Physical Review Letters (5); Nature/Nature Materials (6); Science (1).

Scott's book "Ferroelectric Memories" (Springer 2000) has completely sold out its first edition print-run (800 copies @ £100), and the Chinese (Tsinghua Press, 2004) and Japanese (Springer-Japan, 2003) translations are selling well. With 2950 citations, it is the most cited text on ferroelectricity.

In 2011 he was elected to the Slovenia Academy of Sciences.