



Mark Welland started his career in nanoscience and nanotechnology at IBM Research Laboratories, Yorktown Heights, USA, where he was part of the team that developed one of the first scanning tunnelling microscopes. Upon moving to Cambridge in 1985 he set up the first tunnelling microscopy group in the UK in collaboration with Prof John Pethica.

The current research portfolio in the Nanoscience Centre at Cambridge ranges from sensors for medical applications to understanding and controlling the properties of nanoscale structures and devices. The Nanoscience Centre is sited in a new building dedicated to nanoscience that includes 650 m² of clean room with lithography, thin film, soft material and processing capability, and 750m² of laboratory with a comprehensive range of nanoscale characterisation tools. Mark has over 300 research articles in the nanotechnology area. In an award by the UK Research Councils Mark was made Director of an Interdisciplinary Research Collaboration in nanotechnology that, along with a purpose built facility, represents an investment of \$35 Million for nanotechnology research at Cambridge.

He is currently Editor-in-Chief of the Institute of Physics journal Nanotechnology, established in 1990, and, along with many other contributions at an International level, co-chairs the recently established Co-operative Research Initiative in Nanotechnology (CORINT) between the UK and Japan. In 2002 Mark gave the Turing Lecture and in 2003 he gave a presentation to the Royal Institution and presented the Sterling Lecture series in India. He has appeared before the British Government's Science and Technology select committee and has given a seminar to the European Parliament. His list of presentations to the Industrial sector is extensive and includes talks at UKNanotech 2004 & 2005 in Tokyo.

In addition to his scientific work Mark has been involved in a number of reports dealing with the societal, ethical and environmental issues of nanotechnology and was a member of the Royal Society/Royal Academy of Engineering Nanotechnology Study Working Group that reported to the UK Government in July 2004. He is currently a member of the Advisory Committee on Hazardous Substances set up by Defra and advises several international governments and Research Institutions on nanotechnology. He has taken part in many television and radio programmes for the BBC, SKY, Open University and University of the Air, Japan and written articles for the Guardian, FT and The Times.

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