Professor Alison Noble CBE FRS FREng FIET FWES CEng DPhil (Oxon) MA

Professor Alison Noble is Technikos Professor of Biomedical Engineering at the University of Oxford and a Professorial Fellow of St Hilda's College. She is internationally recognised for her research in artificial intelligence, computer vision, and medical image analysis, particularly in the development of advanced methods for interpreting ultrasound images.

Professor Noble studied Engineering Science at the University of Oxford, graduating with a first-class degree in 1986. She went on to complete a DPhil in computer vision at Oxford in 1989. After her doctoral studies she worked as a research scientist at the General Electric Corporate Research and Development Center in the United States, where she developed automated inspection systems for aircraft engines. In 1995 she returned to Oxford and established a research group dedicated to biomedical image analysis.

Her research focuses on the development of machine learning and computer vision techniques that allow computers to automatically interpret medical images and assist clinicians in diagnosis and treatment. Much of her work has centred on ultrasound imaging, with the goal of making high-quality imaging more accessible and easier to interpret in both hospital and global health settings.

Professor Noble's contributions have had a major impact on the field of medical image computing and have helped translate artificial intelligence research into practical clinical technologies. She has also been active in technology transfer and innovation in medical imaging.

She has received numerous honours for her work, including election as Fellow of the Royal Academy of Engineering and Fellow of the Royal Society. In 2023 she was appointed Commander of the Order of the British Empire (CBE) for services to engineering and biomedical imaging.