

An Engineer with a Private Pilot's Licence 私人飛行員執照



Dr. Layfield has a background in Science and Engineering. His PhD was obtained in instrumentation in developing a carbon dioxide laser radar system for monitoring trace gases and atmospheric pollutants. He was subsequently employed by the British Aerospace Company in the UK prior to his employment in Hong Kong. His work within the Future Projects group of BAE involved the investigation of advanced computing technology for new avionics systems in military aircraft including computer generated imagery and virtual reality to assist pilots flying at low altitude in conditions of low visibility, and fault tolerant computing systems. Dr Layfield worked with both professional pilots and psychologists in developing these systems, and obtained a Private Pilot's Licence during his period with British Aerospace.

In 1988 he joined the Department of Electronic Engineering at the City University where he continued his research in computer architectures, virtual reality systems and circuit simulation. In 1998 he left the City University to return to industry where he worked for a period of two years for the Isometric Industrial Corporation of the Philippines as Manager, Project Management Group for a period of two years.

In December 2000, Dr. Layfield returned to the City University to work for the Division of Computer Studies within the College of Higher Vocational Studies (now the Community College of City University). His current academic interests include computer aided learning and developments in the commercial aviation industry. Dr Layfield is also contributing to a project with the Geomtix Company in the UK investigating changes in atmospheric visibility. In addition to his academic duties, Dr. Layfield is also the CCCU Director of Student Learning and is responsible for coordinating various support services and activities for CCCU students.