

Professor Fred Piper

Qualifications: BSc, PhD, C.Eng, FIEE, ARCS, DIC, FIMA, MBCS, CISSP

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Fred Piper obtained a First Class Honours degree in Mathematics at Imperial College (University of London) in 1962 followed by a PhD in 1964. He began an academic career as an Assistant Lecturer in Mathematics at Royal Holloway College (University of London) and after one year was promoted to Lecturer. He transferred to Westfield College (University of London) in 1969, was promoted to Reader in 1971 and to Professor in 1975. He is currently Director of the Royal Holloway Information Security Group that was awarded the Queen's Anniversary Prize for Higher and Further Education in 1998. He has held a number of visiting positions at other universities, including Illinois (Chicago Campus), Florence, Perugia, New York State (Albany), Michigan State, Western Ontario, Natal and Beijing.

Fred has published over 100 research papers, 6 books (4 on cryptography), and is on the editorial boards of two international journals. He has also supervised over 50 PhD students and is one of the organisers of the MSc's in Information Security and Secure Electronic Commerce being offered at Royal Holloway. He has lectured world-wide on a wide range of topics in information security, both academically and commercially.

In 1985 he formed a company, Codes & Ciphers Ltd, which offers consultancy advice in all aspects of information security. He has acted as a consultant for a number of financial institutions and major industrial companies in the UK, Europe and USA. This consultancy has covered a wide range of subjects including design and analysis of cryptographic algorithms, and work on a number of ATM and EFTPOS systems. In the last few years he has served on a number of committees offering security advice to the UK's Department of Trade and Industry.

In 2002 he was awarded an IMA Gold Medal for "Services to Mathematics".

In 2002 he was also awarded the first (and so far the only) honorary CISSP for a European. This was for 'leadership in Information Security'.

In 2003 Fred received an honorary CISM for 'globally recognised leadership' and 'contribution to the Information Security Profession'.

Fred is a member of the Board of Trustees, Bletchley Park.