

**Faculty:** Environment and Technology

**Academic qualifications:**

1977 B.Sc. in Genetics, University of Leeds.  
1985 Ph.D. in Biometrical genetics: models and power calculations, University of Birmingham.  
2000 Postgraduate Diploma in Psychology, Open University

**Membership of professional bodies:**

1985-1987 Associate Member of British Computer Society  
1987-2009 Member of the British Computer Society  
1995- Member of the Behavior Genetics Association (USA)  
2001- Graduate Member of the British Psychological Society  
2001-2004 Member of Institute of Learning and Teaching (ILT)  
2004- Chartered Member of British Computer Society  
2009- Fellow of Higher Education Academy  
2009- Fellow of British Computer Society & CITP

**Appointments and experience:**

1977-79 Analyst: British Steel.  
1979-84 Postgraduate Research Student, University of Birmingham.  
Research Associate, University of Birmingham.  
1984-86 Database Analyst, contracts with:  
CEGB, Birmingham;  
Severn Trent Water Authority, Birmingham;  
ICL, Birmingham.  
1986-1993 Senior Lecturer: Bristol Polytechnic  
1993-2015 Principal Lecturer: University of the West of England, Bristol

**Teaching specialisms:**

School of Systems Development

1986-1989 Systems Development & Design  
1988-1994 Data Analysis & Modelling, Database Design & Technology

School of Computer Science

1994-1997 Quality, Metrics and Testing  
1994-1998 Artificial Intelligence  
1995-1998 Natural Language Processing (using Prolog)  
1998-2006 Symbolic Processing (logic-based planning and learning)  
1998-2007 Sub-symbolic Processing (connectionism, using Mathematica)  
2006-2013 Research methods for Software Engineering  
2008-2013 Sub-symbolic AI (neural networks, evolutionary computation)

## **Current teaching:**

### Department of Computer Science and Creative Technologies

2000-	Intelligent Systems (evaluating research papers)
2000-	Projects, Dissertations
2008-	Artificial Intelligence for Games Programming (using C++)
2013-	Hybrid Intelligent Systems (computational intelligence, using Matlab)
2014-	Research Topics in Computer Science

## **Recent major publications:**

None

## **Roles and responsibilities within the University:**

1987-88	Year Tutor
1987-95	Admissions Tutor
1988-91	Faculty Board Representative
1989-93	Course Director Computer Studies (rated excellent) (staffing, quality assurance)
1989-94	Common-skills Co-ordinator (transferable skills)
1989-94	Examinations Officer
1990-91	BCS student liaison
1990-92	Access liaison: Bridgwater College (diversity initiatives)
1990-94	Course Director Computer Studies p/t (rated excellent) (staffing)
1992-93	Co-ordinator (modular programme validation)
1993-95	Director of Professional Programmes and Accreditation
1994-98	Chair of Variations Board (sustaining quality assurance and innovative change)
1998-00	UWE Teaching & Learning Standards Committee (pedagogic initiatives)
1998-00	Field Leader in Computing, 60+ modules. (professional bodies, staff dev, curriculum refresh)
2001-08	Field Leader in Computer Science (strategic planning, staff dev, teaching/learning conferences)
2008-11	Deputy Head of Department of Computer Science (inc. KT management)