

Curriculum Vitae

1. **Name:** Professor Alan John Davies.
2. **Position:** Professor Emeritus, Mathematics,
School of Physics, Astronomy and Mathematics,
University of Hertfordshire.
3. **Academic qualifications and affiliations**
1968 BSc (first class honours) Mathematics, University of Southampton.
1975 MSc(Eng) (distinction) Structural Engineering, DIC, Imperial College.
1989 PhD, Numerical Computation, University of London.
1979,1992 FIMA, CMath.
4. **Employment history**
1968-69 Research Engineer, Hawker Siddeley Aviation Ltd.
1969-92 Lecturer/SL/PL, Mathematics, Hatfield Polytechnic/University of Hertfordshire.

1979-80 Visiting Research Scientist Unilever Research Ltd.
1992-06 Head of Department and Professor of Mathematics.
2006-14 Professor of Mathematics (PT), FMSP Area Coordinator/Associate.
2014- Professor Emeritus, Mathematics.
5. **Teaching interests**
Applied mathematics, numerical computation, parallel computation, mathematical modelling, computer algebra, innovative uses of IT in the teaching and learning of mathematics, financial mathematics.
Teaching mathematics and physics to a wide audience. In particular to gifted and talented young people at primary and secondary school.
Public engagement lectures in mathematics and physics.
More than thirty journal/conference papers on teaching mathematics.
Eleven text books.
6. **Research interests**
Finite element and boundary element methods, integral equation methods, numerical computation, parallel computing.
More than seventy journal/conference papers.
7. **Current activities**
Since my retirement as Head of School in 2006 I have concentrated on outreach and public engagement activities with Dr Diane Crann.
8. **External appointments and activities**
1974- Open University Associate Lecturer and summer school tutor in applied mathematics.
1980- Variety of appointments as BSc/MSc external examiner for universities in the UK and Singapore.
Ten PhD supervisions.
More than twenty PhD examinations in the UK and Norway.
Editorial Boards for a variety of research conferences.
2000- Presenter of a variety of lecture/demos at the Royal Institution highlighting the famous scientists and their experiments at the Ri.
2006- Departmental outreach activities organiser. Approximately 100 public engagement lectures and workshops in mathematics and physics annually.
2012- Further Maths Support Programme Area Coordinator/Associate.
2014- Presenter, with Dr Crann, of the *Science in Schools* programme for the British Council in France.