

Curriculum Vitae

Tim Denvir

Résumé

Tim Denvir has taken part in more than sixty Software Engineering-related projects over the last forty-two years. He has experience in management, research, and technical education, and has contributed to the use of Formal Methods in software development. He is an experienced communicator, having given many courses, lectures and presentations to varied audiences. His publications include books, public reports and papers, ranging over topics such as formal methods in software development, the rôle of mathematics in software engineering, and the education of software engineers. He has held visiting positions at Brunel and City Universities, developing and giving courses on formal development of software, and at the University of Stirling. He has given much time and effort to supporting his profession through special interest groups, conference programme committees, editorial boards etc. His more recent work includes providing technical advice and assistance to the European Commission in Framework 5 on many occasions, performing software systems risk audits for civil aircraft manufacturing systems and assisting in the establishment of FORTIA, the Formal Techniques in Industry Association.

Education and Qualifications

Trinity College Cambridge MA Mathematics 1959 – 1962

Member of the British Computer Society

Member of the Institution of Electrical Engineers

Chartered Engineer

Chartered Information Technology Professional

Professional Affiliations

Editor of FACS (BCS Specialist Group on Formal Aspects of Computer Science) Newsletter (2000-02)

Programme Committee FM99

Secretary of Formal Methods Europe (1992-6)

Chairman of FACS (1993-1995)

Programme Chair of FME94

Secretary of VDM Europe (1986-88; 1991)

Vice-chairman of BCS Software Engineering Technical Committee (1989)

Member of Editorial Board of 'Formal Aspects of Computing' journal (1989-2003)

Member of Editorial Board of Springer-Verlag's "FACIT" series

Member of Programme Committee for FME 93

Member of Programme Committee for Software Engineering Standards 1993

Member of ISO IEC JTC 1 SC7 WGI 0 (SPICE: Software Process Improvement & Capability Determination) 1993-4

Member of BSI VDM Standardisation Committee (IST/51-119)

Member of IEE Professional Group C1 (Software Engineering) 1991-94

Member of Organising Committees for Third (1990), Fourth (1991), Fifth (1992) and Sixth (1994) Refinement Workshops

Member of European Association for Theoretical Computer Science

One-time member of various other BCS Special Interest Groups, e.g. HCI, Developing Countries, Computer Conservation Society

Employment Summary

1991 – 2003 Director, Translimina Ltd., 2003 T/a Translimina

All commercial aspects of the company's business and all technical aspects of its software engineering projects. Reviewing projects, evaluating project proposals in IT for the European Commission (26 contracts). Assisting TUC Denmark (CoLogNET project) with

the initiation of ForTIA (Formal techniques in Industry Association) – drafting its constitution: Charter, Bylaws and Modus Operandi. Investigating potential year 2000 exposures in more than 100 embedded systems for BAe Airbus/ERA. For DTI: Project Officer for software engineering projects, monitoring funded projects, pilot study. For Lloyd's Register: advising on establishing a software assessment service; defining realistic procedures for assessing the dependability of third party software; contributing to an ISO standard.

- 1992 – 1994 Honorary Visiting Professor at City University
Developing and delivering a course on denotational semantics, composing and marking examination papers etc.
- 1990 – 1991 Seconded from Praxis to the Information Technology Division of the DTI
Assistant Director with responsibility for programmes in Software Productivity and Speech and Language: monitoring existing projects, assessing and making cases for new projects, designing new programmes of work under the Advanced Technology Programme, EUREKA, and other schemes.
- 1988 – 1989 Associate Reader at Brunel University (part time)
Developing and delivering a course on formal methods for final year undergraduates and MSc students, setting exams, marking, etc.
- 1986 – 1991 Senior/Principal Consultant with Praxis Systems plc
Consulting to projects, drafting bids, reviewing, developing internal technical education etc.
- 1972 – 1986 Department Manager, later Chief Research Engineer (1980) with STL
Line, project management and technical education and research. Joint holder of STL Creativity Award.
- 1971 – 1972 Principal Technical Officer with ICL
Attempting to unify compiler design for the 2900 series.
- 1969 – 1971 Project Manager with RADICS
Algol60 compilers.
- 1965 – 1969 Systems Programmer, later Chief Systems Programmer (1967) with University of London Atlas Computing Service
Systems programming for the London Atlas; compiler design.
- 1962 – 1965 Systems Programmer with Elliott Bros.
Programming operating systems and device drivers.
- 1958 – 1959 Engineering Assistant with Texas Instruments
Designing, building and testing electronic circuits using discrete semiconductors.