

Tim Denvir Publications

Books

- FME 94: Proceedings of the Second Formal Methods Europe Conference, Barcelona 1994. LNCS 873 Springer-Verlag 1994. (joint editor)
- Fifth Refinement Workshop, Proceedings of the BCS-FACS 5th Refinement Workshop, London January 1992. Springer-Verlag 1992 (joint editor)
- Formal Aspects of Measurement, Proceedings of the BCS FACS Workshop on Formal Aspects of Measurement, South Bank University, May 1991. Springer-Verlag 1992 (joint editor)
- Software Engineer's Reference Book, chapter 1 "Discrete Mathematics" and joint author of Introduction, Butterworth 1991
- Mathematical Structures for Software Engineering, chapter 1 "The Roles of Mathematics in Software Engineering", Clarendon Press 1991
- Introduction to Discrete Mathematics for Software Engineering. Macmillan 1986, reprinted 1991
- The Analysis of Concurrent Systems, Proceedings of Workshop 1983, Springer-Verlag 1983 (joint editor)

Papers

- [More recollections of ALGOL 60](#), Resurrection 52, Autumn 2010.
- Formal Aspects of Computing, co-editor of special issue on Refinement 2002, Vol. 15 nos. 2-3.
- The Cash-point (ATM) "Problem", Denvir, Oliveira, Plat, Formal Aspects of Computing, Vol. 12 no. 4. 2000
- An Approach to Software Assessment, with F Maclennan, Proceedings SESS'93, 1993
- An Overview of Software Assessment, Computer Methods and Programs in Biomedicine, Vol. 44 No. 1, August 1994
- Formal Aspects of Computing, editor of special issue on Structuring Specifications Vol. 4 no. 1, 1992
- The Application of Formal Methods in the Design of Safety-Critical Systems, Information Technology Manufacturing (Europe) 1989
- System Specifications in Software Engineering, Blenheim Online Publications 1988
- Discrete Mathematics in Software Engineering, IMA Bulletin, October 1986
- What is a "Scientific Approach" to Software Engineering?, Advanced Software Technology - Development and Introduction to Practice - Response. IFIP Congress 1986: 613-616
- Experience of Introducing the Vienna Development Method into an Industrial Organisation, M I Jackson, B T Denvir, R C Shaw, TAPSOFT 1985, LNCS 186, Springer-Verlag 1985
- Basic Mathematical Foundations of Computer Programming; STL, 1981, reprinted for BCS FACS Newsletter 1984
- A Lattice-Theoretic Approach to System Specifications and the Contractual Model STL, 1984
- Formal Methods for Developing Microprocessor Software; Semiconductor International 1982
- On Orthogonality in Programming Languages; ACM Sigplan Notices, July 1979
- Computer Representations of Large Finite State Automata; ITT Report STL1294, STL 1976
- Bistable Circuit for Overload Protection of Power Supplies; Electronic Engineering 1963
- A High Speed DC-AC Servo Drive Unit; B T Denvir and B A Unvala, Electronic Engineering 1961

Public Reports

- Final report of ESSI project 21375 FMEInfRes; European Commission DGIII 1997
- FMEInfRes Newsletter No. 1-3, Editor, 1996 - 1997
- Mid-term report of ESSI project 21375 FMEInfRes; European Commission DGIII 1996
- Methods of Defining, Cataloguing and Retrieving Specifications of Abstract Data Types; ESPRIT 1984
- Report on the Study of an Ada-based System Development Methodology; DTI 1981

Internal Reports

- Report on ENCRESS conference, June 1996; European Commission DGIII 1996
- Report on ESSI PIE Workshop, October 1996; European Commission DGIII 1996
- Semantics of PML (Process Modelling Language): Semantic Domains; Praxis IPSE2.5 report 1987
- The use of Ada with Formal Methods of Software Development; STL 1982

An Overview of Software Development Methodologies against a Requirements Framework, STL 1982
Education and Training for Large System Software Development; STLTNR20, STL 1980
The Place of Rigorous Methods in Software Development; STL Technology Summary STS3, 1980
Non-determinism in Automata, Petri-Nets and Formal Languages; STL 1979
Chill: the Salient Features; Proceedings, Real Time Problems and Techniques, STL 1978