March 2003

Roger Michael Needham

Born 9.2.1935
Died 1.3.2003

1956	B.A., University of Cambridge (Mathematics and Moral Science)
1957	Diploma in Numerical Analysis and Automatic Computing, University of Cambridge
1957 - 1962	Worked at the Cambridge Language Research Unit
1961	Ph.D., University of Cambridge (Mathematics)
1960 - 1962	Principal Investigator under National Science Foundation Grant at Cambridge Language Research Unit
1962 - 1967	Consultant to Cambridge Language Research Unit for National Science Foundation Grant
1963 - 1964	Senior Assistant in Research, University Mathematical Laboratory (now Computer Laboratory), Cambridge
1964 - 1973	Assistant Director of Research, University Mathematical Laboratory, Cambridge
1973 - 1981	Reader in Computer Systems, University of Cambridge
1981 - 1998	Professor of Computer Systems, University of Cambridge
1997 - 2003	Managing Director, Microsoft Research Limited, Cambridge

1960 - 1966	Associate Editor, 'The Computer Journal'
1960 - 1972	Member, British Computer Society Editorial Board
1965 - 1970 & 1978 - 1982	Member, Computing Science Committee of the Science Research Council
1970 - 1971	Chairman, Panel on Long-Range Computer Research, Computing Science Committee of the Science Research Council
1973 - 1976	Member, Computers, Systems and Electronics Requirements Board, Department of Industry
1976 - 1982 & 1985 - 1989	Member, Mathematical Sciences Subcommittee of the University Grants Committee
1982 - 1985	Member, Engineering Board, Science and Engineering Research Council
1982	Member, Alvey Committee
1983 - 1985	Member, Computing and Communications Committee, EARB, Department of Trade and Industry
1985 - 1989	Member, University Grants Committee

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1986 – 1992   Member, Board of Visitors, Cranfield Institute of
                 Technology
1988 – 1992   Member, Information Technology Advisory Board,
                 Information Engineering Directorate, Department of
                 Trade and Industry
1989, 1992    Chairman, Computer Science Research Assessment Panel
1989 – 1997   Member, Research Councils Individual Merit
                 Promotion Panel
1994 – 2002   Member, Office of Science and Technology Foresight
                 Panels
1999 – 2003   Member, Defence Scientific Advisory Council
2001 – 2003   Member, Engineering and Physical Sciences Research
                 Council User Panel
2001 – 2003   Governor, Anglia Polytechnic University
2001 – 2003   Member of Council, Cranfield University


1988 – 1989   Member, Wass Syndicate on the Government of the
                 University, University of Cambridge
1993 – 1996   Member, General Board of the Faculties, University
                 of Cambridge


1996 – 1998   Pro Vice Chancellor, University of Cambridge


2001          CBE

1968          Fellow of the British Computer Society
1985          Fellow of the Royal Society
1993          Fellow of the Royal Academy of Engineering
1994          Fellow of the Association for Computing Machinery

1998          Member, Academia Europaea



Honorary Doctorates : University of Kent, University of
                      Birmingham, University of Twente,
                      Anglia Polytechnic University,
                      University of East Anglia, University of North
                      London, University of Sheffield, Loughborough
                      University, Military Academy in Brno,
                      Hertfordshire



1966          Visiting Consultant, The Rand Corporation, Santa
                 Monica, California
1977 – 1984   Visiting Consultant, Xerox Corporation, Palo Alto
                 Research Center, Palo Alto, California
1984 – 1997   Consultant to Digital Equipment Corporation,
                 Systems Research Center
1994 – 1997   Advisor to Hitachi Advanced Research Laboratory
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1978          Winner, British Computer Society Award for
               Technical Achievement in the Development of
               Computing
1998          Faraday Medal, Institution of Electrical Engineers
2003          Kristian Beckman Award, International Federation for
               Information Processing, Technical Committee 11 (Security and
               Protection in Information Systems)

1998          Speaker, Marshall Symposium, University of Michigan
2000          Gregynog Lecturer, University of Aberystwyth
2002          Saul Gorn Memorial Lecture, University of Pennsylvania
2002          Clifford Paterson Lecture, The Royal Society

1960 - 1970   Director, Cambridge Consultants Ltd
1967 - 1977   Director, Computer Technology Ltd.
1970 - 1979   Lecturer for Infotech
1994 - 1998   Director, UKERNA
1998 - 2003   Trustee, Foundation for Information Policy Research
1999 - 2003   Trustee and Director, Cambridge University Challenge Fund

1966 - 2002   Fellow, Wolfson College, Cambridge
2002 - 2003   Honorary Fellow, Wolfson College


1980 - 1995   Head of Department, Computer Laboratory,
               University of Cambridge
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