GARY S. ROBINSON

Professional Positions

81 June, 2003

1999 to Present: Director of Industry Standards, EMC^2 Corporation.

Responsible for positioning and managing all of EMC^{2}s world wide standards activities. Coordinate all formal Standards Developing Organization and consortia standards activities.

Reporting to the Chief Technical Officer.

1998 to 1999: Independent Consultant

1991 to 1998: Director of Standards, Sun Microsystems Inc.

Responsible for positioning and managing all of Sun Microsystems world wide standards activities. Formulate standards strategies, policies, and positions for the corporation. Determine and execute Sun's administrative, financial, and policy positions for Standards Development Organizations worldwide. The major role that I played - for Sun and for the industry at large - was to be a spokesperson for the process and result of standardization. Sun was heavily vested in ISO and IEEE standardization; it is these venues into which I devoted a majority of my time and effort. I maintained a major presence in the standards committees devoted to LANs/Ethernet, Java, and Microprocessors.

Reporting to the Chief Technical Officer of Sun Microsystems.

1980 to 1991: Director of Corporate Standards, Digital Equipment Corporation.

Managed Digital's Corporate Standards group and personally led the standardization of Ethernet/8802.3 for DEC/Xerox/Intel, among many others. My major effort in Digital was to make Digital - and the industry - aware of the power of standards as a change agent. To this end, my department became one of the focal points for the creation of industry wide theory of standardization. In conjunction with professors from MIT, the University of Pittsburgh, and Carnegie Mellon University, my group began to develop the organizational and process basis of standards and standardization. As a logical outcome of this activity, I managed to expand Digital's participation and competence in domestic and International standards activities, as well as helping to create a formal study of standardization as a discipline. My staff produced several key pieces of work, including Carl Cargill's book entitled Information Technology Standardization, which is used as a text book in most graduate school standardization courses. My group led the US participation in ISO JTC1 for Local Area Networks, device interfaces, and character sets. As an individual contributor, I was one of the ASC X3/TC 97 authors of the Memorandum of Agreement that helped to create the ISO/IEC JTC1 TAG for the United States

Reported to the Vice President of Strategy and Architecture

1978 to 1980: Senior Product Manager, Datatrol, Inc.

Responsible for Engineering, Marketing, and Sales activities relating to Datatrol's Credit Authorization systems which were based upon Digital PDP 11-70s using proprietary software

1973 to 1978: Manager of Product Technology, Inforex, Inc.

Responsible for Data Entry Systems, Customer Special Services and reviewing new hardware and software technology for company introduction. Setup and maintained a liaison to their Japanese trading partner

1968 to 1973: Principal Engineer, Magnetic Tape Systems, Honeywell Information Systems.

Responsible for Honeywell's Magnetic Tape Systems worldwide. Developed the architecture and led the group that developed the first computer controlled Magnetic Tape Controller. The work on this project included negotiating Honeywell's first international tape drive interface standard which led to my present standards activity. Then went on to integrate Honeywell's first international tape system while working in Paris.

1961 to 1968: Engineer, Data Communications, Bell Telephone Laboratories.

Member of the Error Control section of the Data Communications group developing experiments and products utilizing both hardware and software.

My major project was advanced development of error control units for modems over 2400 bps. Developed computer programs for error control models to replace and speedup hardware experiments. Designed first wide-band error control unit.

Standards Positions

I am a Senior Member of the IEEE.

1985 to 1998:	International Organization for Standardization/International Electrotechnical Commission (ISO/IEC) Joint Technical Committee 1 (JTC1), Chairman of Special Working Group on Registration Authorities, SWG/RA, was Vice Chairman of Systems and member of U.S. delegation.
1983 to 1999:	ISO/IEC JTC1 Sub Committee 6 (Telecommunications and Information Exchange): Member of the U.S. Delegation, Local Area Networks (LAN) Expert. LAN Project Editor since 1983.
1986 to 1993:	ISO/IEC JTC1 Sub Committee 13/25 (Device Interfaces): Member of the U.S. Delegation,
2003 to present:	ISO/IEC JTC1 Sub Committee 25/WG4 (Device Interfaces): Convener
1991 to 1999:	ISO/IEC JTC1 Sub Committee 26 (Microprocessors): Head of the U.S. Delegation.
1983 to 1999:	ISO/IEC JTC1 Technical Advisory Group (TAG): Member.
1999 to present:	ISO/IEC JTC1 Sub Committee 25 (Microprocessors System and Interfaces): Head of the U.S. Delegation.
1999 to present:	ASC T10 and T11 Internatioal Representative
1985 to 1999:	ISO/IEC JTC1/SC26 Technical Advisory Group (TAG): Chairman.
1982 to present:	ECMA, member of General Assembly.
1997 to 1998	ECMA, Chair TC39. Scriping Languages
2002 to Present	ECMA, Chair TC42. System Interfaces
1980 to 1999:	Accredited Standards Committee (ASC) NCITS: Member.
1980 to 1990	American National Standards Institute (ANSI) *ISSB, ITTC*.
1990 to present:	American National Standards Institute (ANSI) BSR, Vice Chair
1980 to present:	American National Standards Institute (ANSI) *P*atent committee.
1990 to 1999:	Institute of Electrical and Electronics Engineers (IEEE) Standards Board, Member of NESCOM, Past Chairman of PATCOM, (IPR) and past member of PROCOM.
1999 to present:	Institute of Electrical and Electronics Engineers (IEEE) Member of REVCOM and AUDCOM.
1985 to present:	IEEE Registration Authority Committee, member and past Chairman

1983 to present:	IEEE Computer Society Standards Activities Board.
1980 to present:	IEEE P802.3, Local Area Networks (LAN): Member from inception.
1983 to 1999:	IEEE P802.3: Maintenance Committee, Past Chair
1970 to 1973	Honeywell Information Systems, internal standards, directed magnetic tape standards.
1972 to 1990	ASC X3T9.2, Member.
1999 to Present	ASC T11, Member.International Representative
1975 to 1990	ASC X3T9.3, Member.
1999 to Present	ASC T10, Member. International Representative
2000 to present	RapidIO, member of Steering committee

Articles Published

I am an editor of the ACM quarterly standards publication, StandardView.

I wrote the Standards column for IEEE Micro magazine on standards.
I am Editor of the Standards column for IEEE Computer magazine.
I was the special editor for the Storage issue of *IEEE Computer magazine, Dec. 2003*

"Trial Use Standards", *IEEE Computer Magazine, September 1987*
"C'est Magnifique", *X3 Newsletter, Volume 3, 1987*
"The End of the Beginning", *X3 Newsletter, Volume 2, 1987*
"The Practical Limits on Standardization of Information Technology Functions in a Global Marketplace", *Proceedings of the AFCEA, January 1990.*
"Impact of Standards on Computer Over the Past 50 Years"*, IEEE Computer magazine, October 1996*.
Guest Editor on Standards*, IEEE Micro magazine, May/June 1998*.