

JOHN LEVY, Ph.D.

SUMMARY OF EXPERIENCE

Dr. Levy is a technical leader in the computer systems, software and storage industry with over thirty years experience; his Ph.D. in Computer Science is from Stanford University.

His areas of expertise include:

- Bus design – system bus - local area network – LAN – bus bridge
- Standards - ATA – ATAPI – IDE - 1394 FireWire I-Link - SCSI - Futurebus
- Computer design – CPU – multiprocessor – cache – memory controller
- Hard disk - storage networks – SAN – NAS
- Internet protocol – http – cookies
- Software - firmware - embedded systems
- Operating systems - file systems – input/output – I/O controller
- Simulation - performance - benchmark

He is inventor or co-inventor on seven patents and has authored several published technical papers. Has been disclosed as an expert witness in over 20 cases and has testified in deposition and at trial. He has been a technical advisor to two U.S. Federal District Court judges.

PROFESSIONAL EXPERIENCE

1998 to Present **John Levy Consulting**
& 1982 to 1992 Management Consultant

- Management of engineering of computers, software and storage devices.
- General business consulting for small firms, both for-profit and nonprofit.
- Expert witness in intellectual property cases.

1993 to 1998 **Quantum Corporation**
Director, Systems Engineering

- Key contributor to company's strategic planning team.
- Built and managed an engineering organization of 27 people.
- Made Quantum a leader in hard disk interface technology - ATA/33, /66, SCSI-160M
- Developed software/hardware tools for firmware & system validation.
- Led disk drive performance enhancements in caching, system performance modeling & simulation, Windows 98/NT software drivers.

1979 to 1982 **Apple Computer, Inc.**
Engineering Supervisor

Hardware & firmware development of local area network, Lisa development team;
design of hardware/firmware interpreter for Pascal p-machine.

1977 to 1979 **Tandem Computer, Inc.**
Senior Engineer

Advanced development of next-generation multi-processor systems;
work on rollback-recovery in distributed databases.

1972 to 1977 **Digital Equipment Corp.**
Consulting Engineer

Development of computer hardware & operating system software; I/O subsystems
development; bus design for high-speed I/O channels and for minicomputer systems.

EDUCATION

Ph.D., Computer Science, Stanford University, 1973

M.S., Electrical Engineering, California Institute of Technology, 1966

B. Engineering Physics, Cornell University, 1965

LITIGATION RELATED EXPERIENCE – Please separate summary

PUBLICATIONS

"If Extreme Programming is Good Management, What Were We Doing Before?"
EDN Magazine, November 13, 2003.

"Twelve Things to Ask Your Software Development Team,"
ComputerWorld Online, September 22, 2003.

"A File Structure for Non-Erasable Media," with Wayne Wang,
Ninth IEEE Symposium on Mass Storage Systems, pp. 72-76, 1988.

"Small Image Retrieval System," with Wayne Wang,
Ricoh Technical Report No. 16, pp. 93-95, 1987.

"Buses, the Backbone of Computer Structures," chapter 11 of
Computer Engineering, ed. by Bell et al., Digital Press, 1978.

"Computing with Multiple Microprocessors,"
Stanford Linear Accelerator Center Report No. 161, 1973

U.S. PATENTS

<u>Patent Number</u>	<u>Year Issued</u>	<u>Title</u>
4,245,303	1981	Memory for Data Processing System with Command and Data Buffering
4,229,791	1980	Distributed Arbitration Circuitry for Data Processing System
4,232,366	1980	Bus for a Data Processing System with Overlapped Sequences
4,045,781	1977	Memory Module with Selectable Byte Addressing for Digital Data Processing System
4,007,448	1977	Drive for Connection to Multiple Controllers in a Digital Data Secondary Storage Facility
3,999,163	1976	Secondary Storage Facility for Data Processing Systems
3,911,400	1975	Drive Condition Detecting Circuit for Secondary Storage Facilities in Data Processing Systems

PROFESSIONAL AFFILIATIONS & AWARDS

Association for Computing Machinery

Institute of Electrical and Electronics Engineers – Computer Society
National Lecturer on bus design

Forensic Expert Witness Association

UNIVERSITY-LEVEL TEACHING

	University of San Francisco, Fromm Institute
2005	Computers – the Inside Story
2006	The Digital Revolution in the Home
2006	High Tech Business in the Era of Globalization

	San Francisco State University
1980-81	Input/Output Architecture, upper-division course