

## Rich Seifert

21885 Bear Creek Way  
Los Gatos, CA 95033  
(408) 395-5700  
rich@richseifert.com

---

### Overview

Mr. Seifert has over 45 years of experience in the computer industry, specializing in computer network architecture, systems, and product design. He was one of the original developers of the 10 Mb/s Ethernet technology at Digital Equipment Corporation, and is now President of *Networks and Communications Consulting*, providing services to a wide range of network, semiconductor, and computer systems manufacturers, investors, and users. He taught graduate-level courses at the University of California for over 15 years, has published three best-selling technology treatises, and has chaired and co-authored numerous international standards for computer communications. He has served as a technology consultant and testifying expert to law firms in more than thirty cases over the past fifteen years. He is an advisor to numerous venture capital investors, has founded high-tech companies both in the U.S. and abroad, and has served on the Executive Boards of a number of firms. Mr. Seifert is an attorney, admitted to practice law in California and in the United States District Court for the Northern District of California.

### Education

B.E. (E.E.)	City College of New York, 1976
M.S.E.E.	Worcester Polytechnic Institute, 1979
M.B.A.	Clark University, 1984
J.D.	Santa Clara University, 2006 (summa cum laude)

### Computer/Communications Industry Work Experience

**1987-Present:**        *Networks and Communications Consulting (Los Gatos, CA)*  
President and Founder

Technical and business consulting to manufacturers, integrators, investors, and users of LAN, semiconductor, internetworking, and computer systems products. More than 200 clients over 20 years, with projects ranging from strategic planning through product design, specification, and training.

**1984-1987:**        *Industrial Networking, Inc. (Santa Clara, CA)*  
Chief Technology Officer

First employee and founding CTO for start-up company developing factory LAN modems, controllers, and systems. Provided technical leadership for firm (over 100 employees), as well as design and implementation of new manufacturing and test processes.

**1976-1984:**        *Digital Equipment Corp. (Maynard, MA)*  
Principal Engineer/Engineering Supervisor/Consulting Engineer

Technical leader for group of engineers developing first commercial Ethernet products. Co-author (with Xerox and Intel Corp.) of industry-standard Ethernet specification. Designed and developed physical channel for 10 Mb/s Ethernet, including serial interface and transceiver silicon. Charter member of IEEE 802 LAN Standards committee, and co-author of IEEE 802.3 Local Area Network Standard.

## Rich Seifert, continued

### Teaching Experience

- 1986-2002: *University of California (Berkeley)*  
Graduate level courses on computer network technology.
- 1999: *University of California (Santa Cruz)*  
Undergraduate level course on business information systems.
- 1998: *Oxford University (U.K.)*  
Graduate level seminar on computer network technology.
- 1993-95: *University of California (Santa Barbara)*  
Graduate level seminars on computer network technology.
- 1987-2002: *Networks and Communications Consulting*  
Nearly 100 public and private seminars delivered on computer network technology, plus videotape sales.

### Entrepreneurial Experience

- 1992-2000: *Tut Systems (Pleasanton, CA)*  
Technical Advisory Board  
Helped develop initial business plan, technology validation. Company taken public, subsequently acquired by Motorola.
- 1997-2005: *Mysticom, Inc. (Netanya, Israel; Mountain View, CA)*  
Founder, Chief Architect, Board of Directors, Technical Advisory Board  
Key member of company start-up team. Helped with initial incorporation, financing, business plan, market validation. Company acquired by TranSwitch Corp.
- 1997-1998: *Juniper Networks (JNPR; San Jose, CA)*  
Member of start-up team. Helped with initial product architecture, market validation. Company taken public.
- 1997-1998: *Yago Systems (Sunnyvale, CA)*  
Member of start-up team. Helped with technology issues, market validation. Company acquired by Cabletron Systems.
- 1999-2003: *Nishan Systems (San Jose, CA)*  
Technical Advisory Board  
Consulted to executive team on technology issues. Company acquired by McData Corp.
- 2000-2002: *JatoTech Ventures (Austin, TX)*  
Technical Advisory Board  
Evaluated and advised general partners on technology investments.
- 2000-2003: *TeraBlaze, Inc. (Cupertino, CA)*  
Founder, Chief Architect  
Key member of company start-up team. Helped with initial incorporation, financing, business plan, market validation. Company acquired by Agere Systems.
- 2000-2003: *Storage Networks (Waltham, MA)*  
Technical Advisory Board  
Consulted to executive team on technology issues. Company taken public, later dissolved.
- 2001-2007: *Silverback Systems (San Jose, CA)*  
Technical Advisory Board  
Member of company start-up team. Helped arrange financing, consulted on technology issues. Company acquired by Brocade Communications.
- 2001-2003: *Cavium Networks (CAVM; San Jose, CA)*  
Technical Advisory Board  
Member of company start-up team. Consulted on technology issues. Company taken public.

## Rich Seifert, continued

### Publications

#### Books:

*The All-New Switch Book: The Complete Guide to LAN Switching Technology*, John Wiley & Sons, August 2008  
*The Switch Book: The Complete Guide to LAN Switching Technology*, John Wiley & Sons, June 2000  
*Gigabit Ethernet: Technology and Applications of High Speed LANs*, Addison-Wesley, April 1998  
*The Design and Planning of Enterprise-Wide AppleTalk Internetworks*, Apple Computer, 1993  
*Choosing Between Bridges and Routers*, Infonetics Research Institute, 1989 (2nd ed., 1990, 3rd ed. 1991)

#### Articles and Papers:

*The Use of Backpressure for Congestion Control in Half Duplex CSMA/CD LANs*, Networks and Communications Consulting Technical Report 15, August 1996  
*Issues in LAN Switching and Migration from a Shared LAN Environment*, Networks and Communications Technical Report 14 (also published by Kalpana, Inc.), November 1995  
*The Effect of Ethernet Behavior on Networks using High-Performance Workstations and Servers*, Networks and Communications Technical Report 13 (also published by Auspex Systems), March 1995  
*When Worlds Collide*, Data Communications, January 1991  
*Have Remote Bridge Vendors Made a Big Blunder?*, Data Communications, April 1991  
*Ethernet: Ten Years After*, BYTE Magazine, January 1991

#### Industry Standards (Author or Co-author):

IEEE 802.3ad: *Link Aggregation*, 1999  
IEEE 802.3z: *Media Access Control (MAC) Parameters, Physical Layer, Medium Attachment Units, and Repeater for 1000 Mb/s Operation, Type 1000BASE-X*, 1998  
IEEE 802.3ac: *Frame Extensions for Virtual Bridge Local Area Networks*, 1998  
IEEE 802.3x: *Specification for 802.3 Full Duplex Operation*, 1997  
ISO/IEC 8802-3 (IEEE 802.3): *Carrier Sense Multiple Access with Collision Detect (CSMA/CD) Media Access Control Method and Physical Layer Specifications*, 1985, 1989, 1993, 1996 (and supplements)  
IEEE 802.3u: *Media Access Control (MAC) Parameters, Physical Layer, Medium Attachment Units, and Repeater for 100 Mb/s Operation, Type 100BASE-T*, 1995  
ISO/IEC 10038 (IEEE 802.1D): *Medium Access Control (MAC) Bridges*, 1990, 1993 (and supplements)  
IEEE 802: *Overview and Architecture*, 1990  
IEEE 802.1E: *System Load Protocol*, 1990  
ISO 8802-4 (IEEE 802.4): *Token-passing bus access method and physical layer specifications*, 1985, 1990 (and supplements)  
Digital Equipment Corp., Intel Corp., Xerox Corp., *The Ethernet: A Local Area Network, — Data Link Layer and Physical Layer Specifications*, Version 1: September 30, 1980, Version 2: November 1982

### Legal Consulting Experience

From 1994–present, served as technology consultant and expert witness in numerous cases (for both plaintiffs and defendants) involving patent infringement, breach of contract/warranty, and tort liability. Services have included: clarifying and interpreting technology details for counsel, preparation of expert declarations and reports, providing testimony (both deposition and open court), and prior art searches. Has also served as Special Master (Sup. Ct., CA) in a high-profile trade secret dispute. In 2006, admitted to the bar in California, and to the Federal bar for the Northern District of California.

## Rich Seifert, continued

### Legal Cases

- 1994–95 3Com v. SynOptics Communications  
Workman, Nydegger & Seeley (Salt Lake City, UT) for Plaintiff 3Com  
Patent litigation relating to secure Ethernet repeater technology. Provided expert technology consultation. Case settled before deposition or trial.
- 1996–98 Datapoint v. Intel, et. al.  
Kenyon and Kenyon (Washington, DC) for Defendant Intel  
Patent litigation relating to multi-speed Local Area Networks, Ethernet, Fast Ethernet, LAN Bridges, and Auto-Negotiation. Provided expert consultation and testimony at Markman hearing. Summary judgment for client Intel (non-infringement); affirmed on appeal.
- 1998 Bay Networks  
Provided expert opinion on the classification of networking products for the Harmonized Tariff Schedule of the European Union (World Customs Organization).
- 1998 Level One v. SEEQ  
Fish & Richardson (Menlo Park, CA) for Plaintiff Level One  
Patent litigation relating to Fast Ethernet Auto-Negotiation and IEEE standards. Provided expert consultation, expert report and deposition testimony. Case settled prior to trial.
- 1998 Ashraf Dahod v. LANCity Communications (Bay Networks)  
Weingarten, Schurgin, Gagnebin & Hayes (Boston, MA) for Defendant Bay Networks  
Patent litigation relating to broadband metropolitan-area network equipment. Provided expert consultation, expert report, and deposition testimony. Trial verdict for client Bay Networks.
- 1998–00 Accton Technology v. Microlinear  
Morgan, Miller & Blair (Walnut Creek, CA) for Plaintiff Accton  
Liability litigation relating to defective Ethernet transceiver components. Provided expert consultation. Case settled before trial.
- 1999 Texas Instruments v. Hyundai  
Jones, Day, Reavis & Pogue (Dallas, TX) for Plaintiff Texas Instruments  
Patent litigation relating to Fast Ethernet, signal encoding, and IEEE standards. Provided expert consultation and expert report. Case settled before trial (in excess of \$1B for Plaintiff).
- 1999 Lucent v. Cisco Systems  
Weil, Gotshal & Manges (Menlo Park, CA) for Defendant Cisco Systems  
Patent litigation relating to Virtual LANs, internetworking, etc. (many patents at issue). Provided expert consultation. Case settled before trial.
- 2000 Nortel Networks v. Optical Networks, Inc.  
Fenwick & West (Menlo Park, CA) for Defendant Optical Networks  
Patent litigation relating to redundant fiber ring technology. Provided expert technology consultation. Consulting assignment completed during pendency of case.
- 2000 Accton Technology v. Valor Electronics  
Morgan, Miller & Blair (Walnut Creek, CA) for Plaintiff Accton  
Liability litigation relating to defective Ethernet power converter modules. Provided expert consultation and deposition testimony. Case settled before trial.
- 2000-01 Intel v. Broadcom  
Superior Court of California (Santa Clara County)  
Litigation relating to potential disclosure of trade secrets as a result of hiring employees from a competitor. Served as Special Master to the Court, pursuant to a Preliminary Injunction ruling. Acted as a neutral, technically-knowledgeable third party to monitor work of affected employees to see if trade secret information was being misappropriated. Technologies at issue included Gigabit Ethernet and LAN Switch semiconductors. Provided report to court; case subsequently settled before trial.
- 2000 Grumman v. 3Com  
Workman, Nydegger & Seeley (Salt Lake City, UT) for Defendant 3Com  
Patent litigation relating to internetworking systems architecture. Provided expert consultation. Consulting assignment completed during pendency of case.
- 2001 Intel Corporation  
Provided expert consultation to in-house counsel regarding entire portfolio of network-related patents.

## Rich Seifert, continued

- 2001-04 Nortel v. Foundry Networks  
Orrick, Herrington & Sutcliffe (Menlo Park, CA) for Defendant Foundry Networks  
Patent litigation relating to design of bridges, switches, and routers. Provided expert consultation and expert reports. Case settled before trial.
- 2001-02 IBM v. Pluris  
Wilson, Sonsini, Goodrich & Rosati (Palo Alto, CA) for Defendant Pluris  
Patent litigation relating to a variety of internetworking technologies. Provided expert consultation. Case rendered moot by dissolution of Pluris.
- 2002-04 Connectel v. NMS  
Mintz, Levin, Cohn, Ferris, Glovsky & Popeo (Boston, MA) for Defendant NMS  
Patent litigation relating to Internet fax technology. Provided expert consultation, expert report, deposition testimony and testimony at Markman hearing. Case settled before trial.
- 2002-05 Chrimar Systems v. Cisco Systems  
Orrick, Herrington & Sutcliffe (Menlo Park, CA) for Defendant Cisco Systems  
Patent litigation relating to providing power to Ethernet devices over a communications link. Provided expert consultation, expert reports and affidavits, deposition and hearing testimony. Summary judgment for client Cisco (both non-infringement and invalidity of asserted patent claim).
- 2005 Connectel v. Cisco Systems  
Kirkland & Ellis (San Francisco, CA) for Defendant Cisco Systems  
Patent litigation relating to Internet fax technology. Provided expert consultation. Case settled before trial.
- 2005 Micrel v. Deloitte  
Bingham McCutcheon (East Palo Alto, CA) for Defendant Deloitte  
Accounting malpractice dispute relating to network semiconductor devices. Provided expert consultation. Consulting assignment completed during pendency of case.
- 2005-07 Negotiated Data Solutions v. Dell Computer  
Greenberg Traurig (Costa Mesa, CA) and Paul Hastings (Palo Alto, CA) for Defendant Dell  
Patent litigation relating to Ethernet Auto-Negotiation. Provided expert consultation. Consulting assignment completed during pendency of case.
- 2005- Marvell v. Broadcom  
O'Melveny & Myers (San Francisco, CA) for Defendant Broadcom  
Trade secret dispute relating to network semiconductor devices. Provided expert consultation. Case stayed indefinitely due to criminal prosecution of employee involved.
- 2005-07 L3 Communications v. Reveal Imaging Technologies, Inc.  
Mintz, Levin, Cohn, Ferris, Glovsky & Popeo (Boston, MA) for Defendant Reveal  
Patent litigation relating to networked airport baggage scanning equipment. Provided expert consultation. Case settled before trial.
- 2006-07 Network-1 v. D-Link Systems  
Christine Yang (Fountain Valley, CA) for Defendant D-Link Systems  
Patent litigation relating to providing power to Ethernet devices over a communications link. Provided expert consultation, expert report, deposition testimony. Case settled before trial.
- 2006-07 Accton Technology v. Centillum Communications  
Morgan, Miller & Blair (Walnut Creek, CA) for Plaintiff Accton.  
Liability litigation relating to defective network routing semiconductors. Provided expert consultation, declarations. Case settled before trial.
- 2006-07 Alcatel v. Foundry Networks  
Orrick, Herrington & Sutcliffe (Menlo Park, CA) for Defendant Foundry Networks  
Patent litigation relating to user authentication for network switches. Provided expert consultation. Case settled before trial.
- 2006 Antor Media v. Palm Computing  
Quinn Emanuel (Redwood Shores, CA) for Defendant Palm Computing  
Patent litigation relating to method for data communications. Provided expert consultation. Case settled before trial.
- 2006- Enterasys Networks v. Foundry Networks  
Orrick, Herrington & Sutcliffe (Menlo Park, CA) for Defendant Foundry Networks  
Patent litigation relating to Virtual LAN implementation in network switches. Provided expert consultation. Consulting assignment completed during pendency of case.

# Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

## Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

## Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

## Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

## API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

## LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

## FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

## E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.