

**Silicon Valley Expert Witness Group, Inc.  
Consultant Curriculum Vitae**

**Jack D. Grimes, Ph.D.**

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**Expertise**

- Wireless data systems
  - Computer Graphics
  - Ergonomics/Human Factors
  - Internet Architecture & Security
  - Internet Payment Systems
  - Smart Card Technology
  - Internet Platform Technology
  - Video Capture & Overlay Systems
  - Video Display Devices, ASIC Design
  - User Interface Design
  - Video Graphics Architecture
  - Engineering Development Practices
  - Software development
  - Object oriented, software systems
  - Compressed Video
  - Consumer Television
  - Digital Satellite TV Technology
  - System Reliability
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**Professional Summary**

Over twenty years experience at the senior levels of management in large and small high technology companies. Dr. Grimes has been responsible for incorporating original technology in a number of new products. His expertise includes: Internet platform technology, including Java, security and payments; Internet payment systems, including credit and debit cards, SET, ACH and other payment methods, including chip cards. He is recognized as an industry technologist and spokesman with excellent verbal and written communication skills. Dr. Grimes is an experienced and well-regarded testimonial expert in intellectual property and contract disputes related to video and other technologies.

**Employment History**

From: 1989      **Independent Consultant**  
To: Present      San Jose, CA  
Provide studies, strategies and opinions to industry and the legal profession, with particular emphasis on the following areas:

- Internet commerce strategies including Java, ASP, Unix, NT, scalability, security and payments.
- Payment security, including digital certificates, DES and other encryption based approaches.
- Internet data security approaches, e.g., CKM
- Financial payments strategies for Internet commerce, including credit & debit cards, SET, ACH, and other methods, with special emphasis on chip cards.
- User interfaces & ergonomics.

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- Computer graphics & television video systems.
- Business, marketing and engineering practices for startup companies.
- Engineering practices for large, object-oriented projects.
- Engineering practices for electronics design and manufacturing.

From: 1999      **ServiceHub Corporation**  
To: 2000      Cupertino, CA  
Title: *Chief Technical Officer*  
Responsible for Internet technology architecture, strategy and market development for this internet startup (www.servicehub.com).  
Developed the company's business plan that combines web-based dispatch services with wireless data to SMS and browser capable mobile phones. Initiated business alliances with leading European Operators that feature data services. Represents the company at major wireless data conferences and trade shows in the US and Europe.

From: 1996      **Visa International**  
To: 1999      San Francisco, CA  
Position: *Senior Vice President, Technology, Architecture & Strategy*  
Responsibilities included developing the strategies for Visa in chip card technology, management of large-scale software projects, and the evaluation of investments in technology companies. Duties included management of two technology and strategy groups containing over 30 people. One group provided chip card and related technology development for new products and services. The other was responsible for the global network and processing architecture strategy to replace the current VisaNet services. Internal consultant on Internet payment systems.

From: 1996      **ICVerify**  
To: 1996      Oakland, CA  
Position: *Vice President, Development*

- Startup, developing and marketing payment systems for mid-sized merchants.

Responsibilities included managing the development group, staffing, budgets, etc. for this payment systems company. Developed a product for Internet payment systems.

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From: 1992 **Taligent, Inc.**

To: 1996 Cupertino, CA

Position: *Director, Technology Evaluation and Evangelism*

- Taligent was founded as a \$200M joint venture formed by Apple, IBM and Hewlett Packard that employed 350 people. Taligent's charter was to develop and deliver a new, object-oriented application environment. In December 1995, the joint venture became a subsidiary of IBM.

*1994-1995: Director, Technology Evaluation and Evangelism*

Managed strategic technology acquisitions and major account, pre-sales consulting. Duties included:

- Initiated strategic acquisitions for the products so that the technology could be more rapidly delivered to the market.
- Developed the technology valuation methodology for the HP investment. HP became 15% equity owner.
- Lead the effort to convey benefits to key customers (personally and at conferences) within the US, Canada, Europe and Japan.
- 234 formal briefings, including 12 conference presentations. 53 press interviews/conferences. 12 conference and journal papers.

*1992-1993: Manager, User Environment Department*

Managed one of 5 engineering departments. Promoted to Director.

Achievements included:

- Grew and managed seven technical groups, containing 45 people. Areas included: User Interface implementation, User Studies, Human Interface design, High Level Utilities, Compound Document, Data Management, Text and Internationalization. These teams provided the key, upper level capability of the system.
- Managed a \$6M+ development budget.
- Trained managers providing technical direction when needed.
- Established uniform document architecture over multiple subsystems.
- Brought the projects in on time using internally developed scheduling practices.

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From: 1989      **Mass Microsystems**

To: 1991      Sunnyvale, CA

Position: *Vice President, Engineering*

Start-up company of 70 people. Developed, manufactured, marketed and distributed storage and video peripheral products for the Apple Macintosh. Joined as the VP Engineering, Corporate Officer and was the senior technical person. Key contributor to road show for public offering in November 1989.

Grew and managed the engineering staff of 12 people.

Accomplishments included:

- Developed & implemented formal milestone and tracking process for engineering that resulted in on-time high quality products ready for high volume production.
- Developed the “QuickImage” video capture product family that included 6 hardware products and 2 software products.
- Developed the “ColorSpace” video overlay product family that included 2 hardware products and 2 software products
- Prosecuted three patents to strengthen IP portfolio.
- Established major, in-house ASIC development capability for new products that achieved huge technical advantage over competitors in the marketplace.
- Developed new technology, including:
  - Custom ASIC for video overlay products.
  - Video architecture for next generation overlay products.
  - Teleconferencing application.
  - Object-oriented titling overlay application.

From: 1984      **Intel Corporation**

To: 1989      Santa Clara, CA

Position: *Strategic Marketing, Computers and Coprocessors*

Joined Microprocessor Division of Intel to provide systems expertise to develop a new family of graphics chips. As Strategic Marketing for Computers and Coprocessors performed key corporate role to win new accounts for graphics chips and RISC coprocessors and to battle Texas Instruments and National Semiconductor in this market. Chaired Product Planning Committee for Graphics Business Unit. As Product Line Architect for Computer Graphics Components, defined the architecture for a family of computer graphics components and infused systems and software experience into a component-oriented business. Conducted primary and secondary market research to guide graphics chip specifications. Conducted interviews and presentations with strategic customers for strategic accounts. Developed 4 approved business/product proposals; three-business/product implementation plans and managed the technical applications group for the Graphics

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Business Unit.

- From: 1981     **IT&T**  
To: 1984     Stratford, CT  
Position: *Director, Advanced Programming Technology Group*  
Directed a group of 15 professionals, with a \$2M operating budget. Developed the architecture, technology and prototypes of programming environments. Served as Chairman of the Programming Key Technology Steering Group. Major achievements include:
- Promoted to Director after one year.
  - Evaluated and approved budgets for a \$60M, five year, world-wide technology program
  - Planned, coordinated and reviewed IT&T's long range R&D in programming technology, worldwide.
- From: 1971     **Tektronix, Inc.**  
To: 1981     Beaverton, OR  
Position: *Engineering Manager, Graphic Computing Systems Division*
- Technical leader of a major programming project. Received increasing management responsibility ending as Engineering Manager for the Graphic Computing Systems Division. Directed a group of 35 professionals, responsible for moving a graphics workstation from concept to market. The key to success was balancing innovation with schedule risk and potential product volume.
  - *System Development Manager, Information Display Systems*
  - Directed 15 people for market and application development in mechanical engineering drafting and design and analysis segments.
  - Directed final implementation of a finite element modeling application system, the FEM181, on a Tektronix graphics workstation.
  - *Development Manager, Division, Information Display Systems*
  - Responsible for concept development of high level language machines.
  - Defined language issues and CPU architecture.
  - Developed technology forecasts.
  - *Software Manager, 4051 Desktop Computer*
  - Staffed and managed a group of six people.
  - Defined and planned implementation of operating system and BASIC language translator for this forerunner of the personal computer.



**Silicon Valley Expert Witness Group, Inc.  
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- Date: 2009 Standley Law, Dublin, OH  
Case: Alexsam v. Evolution Benefits, and Humana, Inc., US District Court, Eastern District of TX, Marshall, Case No. 2-07CV-288-DF (on behalf of Humana)  
Project: Patent Infringement, Multi-function debit payment cards, Rebuttal Expert Report  
Status: Post Markman, Case settled November, 2009
- Date: 2009 Ropes & Gray, NYC and WDC  
Case: Motorola, Inc v. VTech Communications, Inc. VTech, Ltd. Eastern District, Texarkana, TX, No. 5:07-CV-00171 - DF - CMC (On behalf of Motorola, four patents)  
Project: Patent Infringement, Telephone Devices, Infringement Expert Report, Expert deposition  
Status: Post-Markman, Case settled November, 2009
- Date: 2008 Jones Day, Los Angeles, CA  
Case: Technology Development & Licensing v. DirecTV Group, District of Nevada, Case No. 2:06-cv-00912-RLH-LRL (on behalf of DirecTV)  
Project: Patent Infringement, TV programming system  
Status: Expert declaration, pre-Markman, Settled Jan 2009
- Date: 2008 McKool Smith, Dallas, TX  
Case: i2 Technologies v. SAP, ED Texas, Marshall Division, Civil Action No. 2-06CV-352 (on behalf of i2)  
Project: Patent infringement  
Status: Post Markman, case settled June 2008, SAP paid i2 \$83.3 million
- Date: 2008 Hunton & Williams – Richmond, Virginia  
Case: Verve, LLC v. Hunton & Williams LLP  
Project: Arbitration - patent representation, Invalidity Expert Report  
Status: Settled, August 2008
- Date: 2008 DLA Piper US LLP (East Palo Alto)  
Case: Zoran v. ArcSoft, Superior Court of California, County of Alameda, case No. RG07311855; (On behalf of Zoran)  
Project: Breach of Contract - ArcSoft owed note repayment to Zoran  
Status: Pre-trial, case settled May 2008

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Date: 2007-08      Kekera and Van Nest, San Francisco  
Case                Finisar v. Comcast, No. Dist of CA, Case No. C06-04206 WHA;  
                          (On behalf of Comcast)  
Project:            Patent Infringement, Rebuttal Expert Report, Expert Deposition  
Status:             Pre-trial, Expert Report submitted, scheduled vacated pending  
                          appeal in previous Finisar case heard Jan 2008.  
                          Case ended after Comcast won a MSJ on invalidity – July, 2008

Date: 2007-10      Jones Day (New York, NY)  
Case                Soverain v. CDW Corporation, et al. including Newegg, Inc.  
                          Eastern District, Tyler, TX, No. 6:07-CV-511 - LED  
                          (On behalf of Soverain, three patents)  
Project:            Patent Infringement, electronic commerce;  
                          Claim Construction Tutorial, Expert Reports and Declaration,  
                          Expert Deposition, testimony at trial  
Status:             Soverain won at jury trial, April 2010

Date: 2007-09      Orum & Roth, Chicago, IL  
Cases:              Card Activation Technology v. (several matters)  
Project:            Patent Infringement, debit payment card transactions  
                          PTO re-exam analysis  
Status:             Several Declarations in the several matters, most settled.

Date: 2007-08      DLA Piper US LLP (East Palo Alto)  
Case                Acer v. HP, and cross complaint, US Dist Court, Western Dist of  
                          Wisconsin, 07-CV-620-BBC  
Project:            Patent Infringement  
Status:             All pending cases settled on terms favorable to HP, June 2008

Date: 2007-08      DLA Piper US LLP (East Palo Alto)  
Case                HP v. Acer, ITC Inv. No. 337-TA-606; (On behalf of HP)  
Project:            Patent Infringement, 2 patents, Rebuttal Expert Report ('119 patent)  
Status:             Patent withdrawn, defense withdrawn, ITC Hearing Feb. 2008  
                          Case settled prior to ID being issued, June 2008

Date: 2006-07      Heller Ehrman, San Francisco, CA  
Case                Systems America, Inc. v. Rockwell Software, Inc., and Rockwell  
                          Automation, Inc., Case No.: 03-CV-02232 JF (RS), Northern  
                          District of California, (on behalf of Systems America).  
Project:            Trade Secret & Copyright matter  
Status:             Pre-trial, Expert Report submitted, case inactive/abandoned

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- Date: 2006-07 Jones Day, Los Angeles, CA  
Case Forgent Networks, Inc v. Echostar Communications Corp, et al, Civil Action No. 6:06-CV-208 (LED), Eastern District of Texas, Tyler Division, (on behalf of DirecTV).  
Project: Patent Infringement, Video teleconferencing system  
Status: Expert Report, Cable Group & DirecTV settled. Echostar went to trial, won in invalidity
- Date: 2006-07 Howrey Simon Arnold & White, LLP (Chicago, IL)  
Case Rasterex Holdings, LLC. v. Research in Motion Limited, et al, Civil Action No. 2003 CV76785; Superior Court of Fulton County, State of Georgia; (On behalf of RIM, et al).  
Project: Trade Secret matter  
Status: Pre-trial, Expert Reports submitted by both sides, deposition Case settled, May 2008
- Date: 2005-09 Blank Rome (Washington, DC)  
Case Centillion Data Systems, LLC v. Convergys Corp., Qwest Communications International, Inc. and QWEST Corp.; So. Dist. Indiana, Indianapolis Div., Case No. 1:04-CV-00073-LJM-WTL; (On behalf of Centillion/CTIG)  
Project: Patent infringement, Telecom billing system  
Claim Construction Expert Declarations (2), Expert Reports (2), Expert depositions (2)  
Status: Case concluded via MSJ, Oct 2009
- Date: 2005-07 Blank Rome (Washington, DC)  
Case CTI Group (Holdings) Inc. v. BT Group PLC; UK, Claim No. PAT04041; (On behalf of Centillion/CTIG).  
Project: Patent infringement, Telecom billing system  
Infringement Case, Expert Declaration  
Status: Trial scheduled for Oct 2007, case settled
- Date: 2009 Kilpatrick Stockton (Atlanta, GA)  
Case Data Treasury v. First Data Corporation, Civil Action No. 2:06 CV 72 (E.D. Marshall, TX) (on behalf of M&T, BB&T, Comerica, co-defendants)  
Project: Patent Infringement. Remote image capture, Expert Reports (2), Expert deposition  
Status: Comerica and M&T settled, Trial scheduled for Feb 2010

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Date: 2006-08 Sidley Austin (Los Angeles, CA)  
Case Data Treasury v. First Data Corporation, Civil Action No. 5:03 CV 39 (E.D. Tx.) (on behalf of First Data Corp., co-defendant)  
Project: Patent Infringement. Remote image capture  
Status: Pre-Trial, case was consolidated with another, schedule vacated

Date: 2006 Hunton & Williams (Washington, DC)  
Case Ingenio v. GameLogic and Scientific Games Corp.; Civil Action No. 04-1532 (KAJ), Delaware. (On behalf of Ingenio)  
Project: Patent infringement, Lottery game. Infringement Expert Report. Rebuttal Validity Expert Report, Expert Depositions.  
Status: Case settled

Date: 2005-06 Hunton & Williams (Washington, DC)  
Case MercExchange v. eBay and Half.com; Civil Action No. 2:01cv736, ED VA, Norfolk. (On behalf of MercExchange)  
Project: Payment systems related. Expert declarations to PTO (2)  
Status: Post-trial, post-appeal. Patent Office Re-examination

Date: 2004-05 Hunton & Williams (Washington, DC)  
Case Alexsam, Inc. v. FSV Payment Systems, et al.  
Case No. 2-03CV-337, Eastern Dist. Court, Marshall, TX  
(On behalf of Interactive Communications International–InComm)  
Project: Patent Infringement, payment systems related. Invalidity Expert Report.  
Status: Markman Order, case settled on terms favorable to InComm, 7/05.

Date: 2004-06 DLA Piper Rudnick Gray Cary (Palo Alto & San Diego, CA)  
Case Gateway v. HP and HP v. Gateway, 2 matters.  
ITC Inv. No. 337-TA-519; (On behalf of HP, one patent)  
Dist. Court, San Diego, CA (04-CV00613-B); (On behalf of HP, four patents)  
Project: Patent Infringement, computer systems related; Declaration on Claim Construction, Expert Reports, Expert Depositions, Testimony at ITC Hearing, May, 2005.  
Status: ITC 519 matter: ID issued, HP prevailed (claims invalid, claims not enabled, patent unenforceable due to inequitable conduct) 10/2005  
San Diego: Post Markman.  
Settlement of all litigation. Gateway paid HP \$47 Million 3/2006

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- Date: 2005 Jones Day (New York, NY)  
Case: Soverain v. Amazon.com and The Gap  
Eastern District, Tyler, TX, No. 6:04-CV-528  
(On behalf of Soverain, two patents)  
Project: Patent Infringement, electronic commerce; Declaration on Claim Construction  
Status: Post-Markman, settled on terms very favorable to Soverain, 8/2005.
- Date: 2004-05 Jones Day (New York, NY)  
Case: Soverain v. Amazon.com and The Gap  
Eastern District, Tyler, TX, No. 6:04-CV-14  
(On behalf of Soverain, three patents)  
Project: Patent Infringement, electronic commerce; Declaration on Claim Construction, Expert Report on Infringement, Rebuttal ER, Expert Depositions  
Status: The Gap settled prior to Markman, amount undisclosed.  
Trial was scheduled for August 2005, settled on terms very favorable to Soverain, 8/2005  
Amazon paid Soverain \$40 Million to settle all litigation.
- Date: 2004 McAndrews, Held, & Malloy (Chicago, IL)  
Case: Guidant v. Medtronic.  
Minneapolis, MN, Civil File No. 00-1473  
(On behalf of Guidant, three patents)  
Project: Patent Infringement, atrial defibrillators  
Status: Post-Markman, case settled on terms very favorable to Guidant
- Date: 2004-05 Dykema Gossett (Bloomfield Hills, MI)  
Case: Ditzik v. Samsung, et al.,  
Eastern Dist of Michigan, Civil Action No. 03-74043 (GER)  
(On behalf of Samsung, '373 & '955 patents)  
Project: Patent Infringement, computer displays, Expert Declaration, Expert Reports  
Status: Pre-Markman, case settled on terms favorable to Samsung, 7/05.
- Date: 2003-06 Hunton & Williams (Charlotte, NC and WDC)  
Case: TradeCard v. S1 Corp and Bank of America, N.A., Civil Action  
No. 03-CIV-1468 (AKH), So. Dist of NY  
(On behalf of BofA & S1, '588 patent)  
Project: Patent Infringement, automated trading system. Declaration on claim construction, Expert Reports on Invalidity and Non-infringement, Expert Depositions, Testified at trial.  
Status: Trial 3/06, Jury verdict: non-infringement and patent invalid.

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- Date: 2003-04      Jenkens & Gilchrist (Chicago)  
Case                STMicroelectronics, Inc., v. Broadcom Corporation, Civil Action  
                         No. 4:02 CV 362 (E.D. TX, Sherman) (on behalf of STM, counter  
                         defendant)  
Project:            Patent Infringement, '712 patent, Expert Report on Claim  
                         Construction, deposition on Claim Construction; Expert testimony  
                         at Markman Hearing, Sept. 2003; Expert Report on Invalidity;  
                         Rebuttal Expert Report on Non-infringement, Expert Depositions.  
Status:             Post Markman, Case settled on terms very favorable to STM, 2/04.
- Date: 2003-04      Fish and Richardson (WDC)  
Case                Genesis v. MRT, MStar & Trumpon, ITC Inv. No. 337-TA-491  
                         (on behalf of Genesis, '867 patent)  
Project:            Patent Infringement, LCD panel controller  
                         Expert Reports, Expert depositions, Expert testimony at ITC  
                         Hearing, January – February, 2004.  
Status:             ID issued in favor of Genesis re: '867 patent, April, 2004.
- Date: 2003            Fish and Richardson (WDC)  
Case                Data Treasury v. J. P. Morgan Chase, et al., Civil Action No. 5:02  
                         CV 124 (E.D. Tx.) (on behalf of ACS, co-defendant)  
Project:            Patent Infringement. Remote image capture, 112(6) Expert Report.  
Status:             Case settled June, 2003 (Pre Markman)
- Date                2003                Jones Day (NY)  
Case                Research In Motion v. Good Technology, Inc., Civil Action No.  
                         02-556-JJF (Delaware) (on behalf of RIM)  
Project:            Patent infringement of 4 patents. Wireless data. 25 term, claim  
                         construction chart  
Status:             Settled, June 2003 – Final May 2004
- Date: 2002-03      Fish and Richardson (San Diego)  
Case                Broadcom v. Intel Corporation, Civil Action No. 501cv302 (E.D.  
                         Tx.) (on behalf of Intel) – Judge Folsom  
Project:            Patent Infringement. 3D graphics. Expert Depositions on claim  
                         construction & non-infringement and prior art, Expert testimony at  
                         Markman Hearing, 12/02, prepared Expert & Rebuttal Expert  
                         Reports  
Status:             SJ motion on '210 patent in favor of Intel, granted July, 2003

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- Date: 2002-04      Fish and Richardson (WDC)  
Case              Genesis v. MRT, SmartASIC & Trumption, ITC Inv. No. 337-TA-481 (on behalf of Genesis, '867 patent)  
Project:          Patent Infringement, LCD panel controller, Expert & Rebuttal Expert Reports; Expert deposition; Testified at ITC Hearing, July 2003  
Status:           ITC Hearing, July 2003. ID issued, Oct 2003. Reversed, in part, and remanded, January 2004. Remand ID issued May, 2004 in favor of Genesis against both MRT and Trumption.
- Date: 2002              Hunton & Williams (WDC)  
Case              First USA Bank v. PayPal, in Delaware (on behalf of First USA)  
Project:          Patent infringement, Expert Report on Infringement  
Status:           Settled on terms very favorable to FUSA, October 2003
- Date: 2002              Burns Doane Swecker & Mathis (VA)  
Case              Elonex v. AOC International (on behalf of AOC)  
Project:          Patent infringement, CRT monitor, power savings circuit analysis  
Status:           Settled
- Date: 2002-04          Howrey Simon Arnold & White  
Case              MicroStrategy v. Business Objects (on behalf of MicroStrategy) Eastern District of Virginia, Civil Action No. 2:01cc826  
Project:          Patent Validity, wrote three rebuttal expert reports on validity. May, 2004, Additional rebuttal expert report, Expert deposition.  
Status:           Patents re-examined by PTO, 2003, All Claims held valid, 2/2004. Trial scheduled for June, 2004  
SJ issued in favor of Business Objects on non-infringement, no ruling on validity portion of case.
- Date: 2001-02          Morrison & Foerster (San Francisco)  
Case              Gemstar v. EchoStar, et al (on behalf of EchoStar) – Judge Luckern  
Project:          Patent Infringement (ITC venue)  
Expert Depositions, wrote expert reports (Claim Construction, Non-infringement, Invalidity, & Domestic Industry Opinions), Expert testimony at ITC Hearing December 2001  
Status:           ID issued favor of EchoStar, et al., on non-infringement, lack of domestic industry and patent misuse in June 2002.

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Date: 2000-02      McDonnell Boehnen Hulbert & Berghoff (Chicago)  
Case                E-Pass v. Palm (on behalf of Palm)  
Project:           Patent Infringement, prior art research  
Status:            Court ruled in favor of Palm, Summary Judgment – August 2002  
                         An appeal overturned SJ (based on erroneous Markman ruling),  
                         Sept. 2003

Date: 1999            Sheppard, Mullin, Richter & Hampton (LA)  
Case                Hyundai v. Princeton Graphics Systems (on behalf of Hyundai)  
Project:           Product quality contract dispute, analysis of returned computer  
                         monitors. Quality analysis report.  
Status:            Closed. Arbitration never completed

Date: 1999-01        Kecker & Van Nest (San Francisco) & Fulbright & Jaworski (TX)  
                         Case number 3:98CV2712 – Judge Lynn (Dallas, TX)  
Case                Harris Corporation v. Sanyo, et al (on behalf of Harris)  
Project:           Patent infringement, created expert reports, Expert testimony at trial  
Status:            Harris won at jury trial

Date: 2000            Weil, Gotshal & Manges  
Case                SmartPipes, Inc. v. Kovert Soft Tech. (on behalf of SmartPipes)  
Project:           Contract dispute, created declaration  
Status:            Settled

Date: 2000            Morrison & Foerster, LLP  
Case                OnCommand v. magiNet (on behalf of OnCommand)  
Project:           Contract dispute, royalties based on patent infringement, Expert  
                         deposition  
Status:            Settled in favor of OnCommand

Date: 2000            Electronic Processing Inc. (re: PHiTECH, Inc.)  
Case                Due Diligence on behalf of EPI  
Project:           Assessed JAVA software product for eCommerce Application,  
                         created evaluation report for EPI  
Status:            Closed

Date: 1996            Thelen, Marrin, Johnson & Bridges  
Case                Standard Transport v. Hyundai (on behalf of Hyundai)  
Project:           Provide expert opinion on Video Display Terminal products,  
                         deposition, (continuation of 1993 matter)  
Status:            Settled in favor of Hyundai

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Date: 1994  
Case: George Ellis v. A-Squared Systems (on behalf of A-Squared Systems) Partnership Dispute  
Project: Evaluation of software for A-Squared Systems  
Status: Settled

Date: 1993  
Case: Cooley Godward  
Air Gage v. Acer America (on behalf of Acer)  
Project: Product Liability Video Terminals. Assessment of product specifications for manufacturing environment  
Status: Closed

Date: 1993  
Case: Thelen, Marrin, Johnson & Bridges  
Standard Transport v. Hyundai (on behalf of Hyundai)  
Project: Provide expert opinion on Video Display Terminal products, testimony at arbitration hearing  
See 1996: Continuation:  
Status: Arbitration Ruling in favor of Hyundai

Date: 1992  
Case: Fish & Neave and Finnegan, Henderson, Farabow, Garrett & Dunner  
Cadtrack v. Commodore (on behalf of Commodore)  
Project: Patent Infringement. Assisted research team in preparation of patent validity and infringement arguments  
Status: Closed

Date: 1992  
Case: Hoge, Fenton, Jones & Appel  
Azuray v. Tom Collins  
Project: Legal Malpractice. Assess viability of high resolution graphics product  
Status: Closed

Date: 1991  
Case: Fish & Neave  
Ampex v. Abekas (on behalf of Ampex)  
Project: Patent Infringement. Provide expert consulting for infringement analysis  
Status: Settled in favor of Ampex

Date: 1991  
Case: Wilson Sonsini Goodrich & Rosati  
Brewer v. RasterOps (on behalf of RasterOps)  
Project: Contract Dispute. Studied depositions and gave opinion on value of Brewer contribution to product

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**Education**

<u>Year</u>	<u>College/University</u>	<u>Degree</u>
1970	Iowa State University	Ph.D., Electrical Engineering & Computer Science
1981	University of Oregon	MS, Experimental Psychology
1968	Iowa State University	MS, Electrical Engineering
1965	Iowa State University	BS, Electrical Engineering

**Invention**

- Named inventor on U.S. Patent No. 4,106,011 for a Keyboard Circuit

**Publications (1986 to Present)**

Grimes, Jack, “Internet Based Dispatching Application—Case Studies,” W@P Developers’ Symposium Proceedings, June 29, 1999, San Francisco, CA, p. 18.

Grimes, Jack and Potel, Mike, “Software is Headed Toward Object-Oriented Components,” invited contribution in “Where is Software Headed?” edited by Ted Lewis, *IEEE Computer*, 1995, pp. 24-25.

Davis, Mark, and Grimes, Jack D., “International Support in Applications and Systems Software,” *Objects in Europe*, Volume 2, No. 3, May-June 1995, pp. 10-14, SIGS Publications.

Davis, Mark, Grimes, Jack D., and Knoles, Debbie, “International Support in Taligent’s CommonPoint Application System,” *Objects in Europe*, Volume 2, No. 4, July-August 1995, SIGS Publications.

Davis, Mark, Grimes, Jack, and Knoles, Debbie, “Unicode and International Support in Taligent’s CommonPoint Application System,” *IBM Journal of Research and Development*, Circa 1995.

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### **Formal Conference & Panel Presentations, (1987 – Present)**

Grimes, Jack D., "Taligent: What went Wrong?" *HOTChips 15*, August 18, 2003, Stanford, CA.

Grimes, Jack D., "Unicode and International Support in Taligent's CommonPoint Application System," *Seventh International Unicode Conference*, September 15, 1995, San Jose, CA.

Grimes, Jack D., and Potel, Mike, "Software is Headed Toward Object-Oriented Components," invited presentation at *OOPSLA'95 Workshop on Design and Construction of Large-Scale Components*, ACM, October 1995.

Grimes, Jack D., "Frameworks for Component Construction," *Software Development '95 East Conference*, October 6, 1995.

Grimes, Jack D., "Application Frameworks: Maximizing Code and Design Reuse," Keynote Address, *OOP*, March 1995, Munich, Germany.

Grimes, Jack D., "Taligent Object Services," Chairman of paper session, *CompCon Spring95 Conference Proceedings*, March 5-9, 1995, San Francisco, CA, pp. 350-371.

Grimes, Jack D., "Programming the Colossal," *Nineteenth Annual Asilomar Microcomputer Workshop*, April 28-30, 1993.

Grimes, Jack D., "Future Technology to Support Workflow," invited presentation at *Groupware Outlook Exchange*, sponsored by The Institute for the Future, Menlo Park, CA, workshop held in Cambridge, MA, June 30-July 2, 1993.

Grimes, Jack D., "Video Architectures for Multimedia," *MacWorld Technology and Issues Conference*, Multimedia Session, June 27-29, 1990, received a presentation award.

Grimes, Jack D., "Computer Graphics Futures," presentation as part of a *Computer Graphics Tutorial* given by Carl Machover, Machover Associates Corporation at *Electronic Imaging West '89*, The Pasadena Center, Pasadena, CA April 10-13, 1989.

Grimes, Jack D., "Tutorial: Shrink Wrapped Unix Software," *NCGA'89, National Computer Graphics Association conference*, April 17-20, 1989, Philadelphia, PA, three hours in length, received a presentation award.

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Grimes, Jack D., "Graphic Coprocessors," Dataquest 1987 Electronic Printer Industry Conference titled: *Electronic Printers: Expanding Horizons*, Napa, CA, March 25th, 1987.

Grimes, Jack D., "What Next After EGA?" Panel session DP-1 titled: *What Next After EGA?*, 12th ComputerFaire, Moscone Center, San Francisco, CA, March 26th, 1987.

Grimes, Jack D., "Silicon Support for Windowing Software," Panel session titled: *Windows and Standards, CHI+GI'87*, Conference on Computer-Human Interaction, Toronto, Canada, April 7, 1987.

Grimes, Jack D., "The Intel 82786 Video Architecture," Panel session titled: *A Comparison of VLSI Graphic Solutions*, Siggraph'87 Conference on Computer Graphics, Anaheim, CA July 31, 1987.

Quoted in "Picking the right computer graphics chip," edited by Rodney Myrvaagnes, in an *Electronics Products* forum, published in *Electronics Products*, November 15, 1987, pp. 25-33.

### **Professional Associations and Achievements**

- Member, ACM
- Member, IEEE
- Member, Sigma Xi
- Member, Human Factors & Ergonomics Society
- Initiated and taught human factors tutorials for 6 years at SIGGRAPH
- Organization and program committees for IEEE CompCon
- Served on three professional society editorial boards
  - IEEE Computer Graphics & Applications
  - IEEE Software
  - ACM Computer Surveys
- Past Technical editor of *Computer*
- Past member of IEEE Computer Society Governing Board

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