



## Wayne B. Norris



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## WAYNE B. NORRIS CURRICULUM VITAE SUMMARY

**November 2011**

**Area of Expertise/Specialty:** Computers, software, patents, copyrights, trade secrets, physics, engineering, technology, software and software company valuation, software industry appropriate compensation, engineering and software industry standards and contract performance, general aviation, software failure analysis, and fiduciary duties of corporate officers. Lead technology expert for the Government in a successful \$1.7 billion tax case.

**Additional Comments:** Wayne B. Norris is the Chief Scientist of the [SEDS, LLC](#) and [BOSSdev](#) and family of companies, engineering consultant to [3DStockChartsOnline.com](#), and is the former President and Chief Financial Officer of Offshore Creations, Inc. Mr. Norris holds United States Patent 7,573,044 B2, *Remote Detection of Explosive Substances* and is the inventor of five patents pending in explosives detection and nuclear physics.

Mr. Norris has spent a 42-year career in computing, science, engineering, environmental planning, and corporate management. He has been an Expert Witness in numerous cases involving technology, intellectual property, standards for performance of corporate officers, and technology valuations. Norris Associates maintains an extensive and growing network of experts in a wide variety of fields. Please see Mr. Norris's attached *Curriculum Vita*.

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Business URL: <http://Norris-Associates.com>

### WAYNE B. NORRIS CURRICULUM VITAE

**Professional Summary:** Corporate and technical manager, software engineer, sales and marketing executive, financial analyst/business plan author, and physicist, with 40 years of professional service and 50 years writing computer software. Chief Scientist in environmental/oil spill community. Patent advisor. Expert witness for issues in Technology, Intellectual Property, and Conduct or Corporate Officers in Federal and State courts [20% of time or less.]

#### **EXPERT WITNESS EXPERIENCE:**

I was recently the US Government's expert witness for software development issues in the multi-year case of *Microsoft Corporation versus Commissioner of Internal Revenue [US Tax Court Docket Number 16878-96]*, the largest tax case ever litigated by any jurisdiction in history. I authored four expert witness reports that were admitted into the record, and testified for approximately 7 hours, including *voire dire*, direct, cross, redirect, and recross. I was the principal architect of the Government's technical approach toward interpretation of IRC 927(c) in the case of software. The Government won the case, and my arguments were incorporated into the Court's opinion. Upon request, any or all of the expert witness reports and transcripts will be provided for examination.

I specialized in explaining very complex issues to the Court in accessible language and in advising IRS attorneys on strategies for the examination of Microsoft expert witnesses.

One of my fellow expert witnesses, Mr. Ray Ocampo, has graciously agreed to provide his highest recommendation for my work, upon qualified request. Mr. Ocampo, who was the Government's witness for Intellectual Property, was the former Senior Vice President and Chief Counsel for Oracle Corporation for over 10 years, and is currently on the Board of Directors of several firms. Mr. Ocampo is currently Executive Director of the Berkeley Center for Law & Technology, University of California at Berkeley (<http://www.law.berkeley.edu/institutes/bclt/faculty.html>).

I have worked as an expert witness in several modes, including depositions, testimony in court, and preparation of expert witness reports and strategy documents:

- Software intellectual property
  - Microsoft Corporation vs Commissioner of Internal Revenue -- for Defendant's Counsel -- Victory by Defendant [IRS], US Tax Court, Seattle, WA and Washington, DC.

- Patent infringement cases
  - Jordan Spencer Jacobs v. Microsoft Corporation, Logitech, Inc., Pelican Accessories, and Analog Devices, Inc. -- for Plaintiff's counsel -- case settled to the satisfaction of all parties, Federal District Court, Central Florida
  - Other cases in progress
- Technology infringement
  - Interlam vs Modular Arts, US District Court, Western District, Washington State, Seattle, WA, case settled
- Forensic analyses of electronic media
  - Document authentication – Microsoft Corporation vs Commissioner of Internal Revenue -- for Defendant's Counsel -- Victory by Defendant [IRS], US Tax Court, Seattle, WA and Washington, DC.
  - Deleted data recovery and analysis; email recovery – case in progress, California
- Software and hardware quality and performance cases
  - Allen vs Worldwide *et al* -- for Plaintiff's counsel -- case in progress, Superior Court of Ventura County, CA
- Software copyright infringement cases
  - Mitchell and Manhattan Software vs Jean Kasem, Little Miss Liberty, et al, -- for Plaintiff's counsel – Superior Court of Los Angeles County, CA – case settled prior to trial
  - Other cases settled under seal
- Misappropriation of trade secrets
  - Mitchell and Manhattan Software vs Jean Kasem, Little Miss Liberty, et al, -- for Plaintiff's counsel – Superior Court of Los Angeles County, CA – case settled prior to trial
  - Lynch Communications, Inc. v Irish Communications, Inc, David O'Keefe, et al. -- for Plaintiff's counsel – Superior Court of Riverside, CA -- case dropped
- Software industry appropriate compensation
  - Feltman v Otalvaro, et al -- for Plaintiff's counsel – case settled – US Bankruptcy Court, Southern Florida
  - Smith, Dodson, Steele, Port, et al vs Kaiser Permanente [class action], US District Court, Northern California, case settled
  - Tan vs CSAA [class action], US District Court, Northern California, case pending
  - Langille v EMC [class action], US District Court, Northern California, case settled
  - Delmare v Sungard [class action], US District Court, Northern California, case settled

- Apple v Walsh [class action], US District Court, Northern California, case settled
- Williams et a v Lockheed Martin, US District Court, Los Angeles
- Software company valuation
  - Mitchell and Manhattan Software vs Jean Kasem, Little Miss Liberty, et al, -- for Plaintiff's counsel – Superior Court of Los Angeles County, CA – case settled prior to trial
  - Felix v Ramirez – for defendant's counsel – Superior Court of Los Angeles County, CA – defendant prevailed on all counts, won counter-suit
- Fiduciary duties of corporate officers
  - Lynch Communications, Inc. v Irish Communications, Inc, David O'Keefe, et al. -- for Plaintiff's counsel – Superior Court of Riverside, CA -- case dropped.
  - Other cases in progress
- Software contract performance – for Defendant's counsel
  - Alliance Manufacturing Software, Inc. vs Typhoon Software, Inc.
- Airline liability
  - Case sealed
- Aerial law enforcement
  - People of the State of California vs Stevenson, reduced misdemeanor sentence

I have also acted as a patent consultant for private firms, reviewing patents for applicability to various cases and for intrinsic financial value.

Summary of Expert Witness Areas:

- Computer software development issues, practices, responsibilities, financing, responsibility, defects, failure analysis, and valuation
- Patent, Copyright, and Trade Secret issues, including infringement and misappropriation
- Outsourcing, including domestic and international
- General physics, dynamics, engineering, technology, and mechanics
- Software industry appropriate compensation
- Engineering and software industry standards and contract performance
- Management practices in engineering, science, research & development, and technology
- General aviation aircraft operations [I am an FAA rated Airline Transport Pilot, Flight Instructor, Ground Instructor, and Parachute Rigger]
- Fiduciary duties of corporate officers
- Hazardous materials, oil spills, and industrial safety related issues

## **EMPLOYMENT HISTORY**

### **Consultant, SEDS, LLC and 3DStockChartsOnline.com, 2011 - current**

Mr. Norris is providing corporate merger and engineering management consulting to these two technology-intensive firms.

### **Interim President and Chief Financial Officer, Domain Names International 2010 - 2011**

During a corporate restructuring of leading Internet domain name registrar Domain Names International, Mr. Norris created repeatable processes, restructured finances and operations, and presided over upgrades to the legal and corporate infrastructure of the firm.

### **Chief Scientist, SEDS, LLC / BOSSdev, Inc., family of companies 2005 - 2010**

Wayne B. Norris has served as Chief Scientist of BOSSdev, Inc. and its subsidiary, SEDS, LLC since 2005. He is the Principal Investigator in the SEDS \$4.3 million effort with the Office of Naval Research and the Joint Improvised Explosives Device Defeat Organization [JIEDDO]. He is the holder of US Patent 7,573,044 B2, Remote Detection of Explosive Substances, and is the sole listed inventor in the company's five pending patents in nuclear physics and explosives detection. He spends significant amounts of time presenting his research findings on Capitol Hill and to Pentagon Representatives, as well as to industry trade groups. Mr. Norris has many years of experience in scientific research, engineering, software development, corporate management, finance, accounting, and sales/marketing.

Mr. Norris is trained as an SEC-reporting accountant and served in that capacity with several firms thru 2005, including filing SEC Forms 10, authoring the MD&A portions. He has served as an expert witness in more than 30 cases in State and Federal Court in areas including technology, patents, corporate governance, labor, criminal investigations, intellectual property, and technology appraisal issues. His largest case was Microsoft Corporation v. Commissioner of Internal Revenue, at \$1.7 billion with 48 corporate taxpayers the largest tax case in world history, where he acted as the government's chief expert on software development issues.

### **President, Chief Financial Officer, and Board Member, Offshore Creations, Inc., 2003 – 2005 [acquired by BOSSdev, Inc.]**

Offshore Creations, Inc. was a publicly traded 130-person US-based multinational software engineering firm with business and sales offices in the United States and engineering offices in Ukraine. It was acquired by his present firm. OSC and its successor business unit supply IT products and services, web services, and static art and animation to more than 100 customers from the US and Europe. Users of OSC software include Disney, Warner Brothers, the Department of Homeland Security, the US Navy, the US Army, the German Air Force, Brunswick Corporation, and more than 100 others.

#### **Duties:**

- Designed the financial and capital structure and reporting system, authored the internal financial processes, trained the senior financial and bookkeeping staff, and managed all financial and audit operations.
- Was responsible for all US regulatory agency reporting and liaison, including SEC

and NASD reporting responsive to GAAP, FAS, SAB, and SOP standards.

- Authored the company's Form 10, including the MD&A.
- Was responsible for developing and implementing company performance metrics, job costing standards, and related management accounting standards.
- Was responsible for all tax planning and reporting to US taxation authorities and generating output for reporting to foreign tax authorities.
- Was responsible for our outside finance instruments, primarily debentures.
- Was responsible for all financial aspects of the company's merger.

**Interim Controller, Phoenix|X-Ray, Camarillo, CA, 2003**

Was Acting Controller during a management reorganization of this German-American manufacturer of industrial X-ray equipment. Responsibilities at the US office include GL, AR, AP, Payroll, Inventory, closing, reporting, and general financial and management accounting and consulting.

**Management Consultant, Several Established and Startup Firms, 2002-2003**

Worked with several established and startup firms, providing accounting and management consulting, technical consulting, business plan development, and promotional assistance. The established firms are in the laundry services and medical device sectors, and the startup firms are in the local telephone service, medical imaging, electronic cash, and nuclear waste management sectors.

**Contract Software Development Manager, 2001 - 2002**

The client made software for retail and wholesale trade in the lumberyard, hardware, grocery, and apparel industries.

**Senior Product Manager, 3DStockCharts.com, Inc., Santa Barbara, CA**

The company (<http://www.3dstockcharts.com/>) produces real-time 3-D renderings of zero-delay full-book bid/asked prices for stocks on the world's major Electronic Communication Networks [ECNs] including Archipelago, Island, Instinet, Redibook, and Brute, using ultra-thin client-side browsers. The company has 75,000 subscribers, over 50,000 daily hits, and in use by major stock brokerages around the world. Mr. Norris was responsible for determining product and engineering content, creating software development life cycle procedures, qualifying and managing outsourcing and distributed development resources, and coordinating engineering standards.

**Research & Development Manager, Biopac Systems, Inc, Goleta, CA**

Biopac Systems (<http://www.biopac.com>) manufactures a line of medical instruments for research and education. Biopac's product line includes equipment to monitor and record over 40 electrophysiologic channels including heartbeat, EEG, EKG, EMG, plethysmograph, and numerous others. In this position, Mr. Norris managed a group of 11 engineers and others developing and testing software and hardware, including three working remotely from Russia. Mr. Norris was also responsible for launching the company Intranet, establishing the Quality Assurance department, handling the company's first recall effort, developing software development life cycle procedures, including ISO 9001 procedures, establishing a company Internship program, introducing Version Control to our ISO 9001 system, and determining compensation strategies, bonus award practices, and related HR policies.

**Vice President, Emulation Systems, Inc. of Santa Maria, CA**

The company built simulators for aircraft and trucks, for use in the training and entertainment markets. Products included FAA certificated simulators for Cessna 172 and 182 aircraft, plus realistic simulators for the F-18, Cessna 210, and Beech 19 series of aircraft, the Hughes 500 series helicopters, as well as truck-mounted spray-boom applicators. All simulators had full-featured, high-resolution terrain graphics and full control loading, as well as full Jeppeson navaid and terminal databases. Mr. Norris was in charge of Engineering, R&D, Manufacturing, and Customer Support.

**Vice President of Science & Technology and Chief Technical Officer, Typhoon Software, Inc., Santa Barbara, CA, St. Petersburg, Russia, and Agana, Guam**

Mr. Norris managed 55 Russian computer scientists and managers and 15 other staff in St. Petersburg, Russia, Santa Barbara, CA, and Agana, Guam, performing 57 software development projects for 41 U.S. customers, including 7 Fortune 500 companies. Mr. Norris personally marketed and sold every original project Typhoon ever produced, and assumed primary management responsibility for all of them.

Typhoon at the time was the world's largest outsourcer of Russian software and engineering talent. Environments included Windows 3.x, 95, and NT, OS/2, UNIX, AS400, DOS, Macintosh OS, and embedded systems. Languages included SQL Server, Oracle, VB/Crystal Reports, VBA, Access, Delphi, C/C++, RPG400, and assembler for embedded micro-processors. Projects included MRP systems, database systems for the banking, medical, legal, printing, automotive, law enforcement, and retail communities, Internet applications, speech recognition, multimedia, device drivers, telephony, screen savers, porting between systems and languages, algorithm development, and educational software. Retail products included: IBM ViaVoice add-ins for Word, Word Perfect, and GroupWise; *Always With You*, a custom screen saver; and a PLM to C porting tool.

A major project at Typhoon was the design and delivery to Xerox Business Systems of an MRP system for the printing industry, including Internet submission of print jobs, error-checking, and workflow tracking thru the factory. Tie-in was provided to the HR system [for machine-qualified employees, vacation and overtime, etc.], to the Inventory system, to the timekeeping system, the fixed assets system [for machine downtime], and to the General Ledger. Automatic backward scheduling was provided, with remote login for sales staff. Automated project bidding was provided, with document archival. Supervisor alarm conditions were provided for critical conditions. The system was installed and previewed for the LA Unified School System, Microsoft, and numerous other clients. As a part of the effort, Mr. Norris was required to conduct a self-assessment and program launch for an SEI CMM Level 3 management structure.

Mr. Norris's largest single project was managing 35 engineers in a multi-year effort in support of Harris Digital Telephone Systems projects. Work included a white-box development to build a turnkey prepaid telephone credit card system for MCI that was installed in Istanbul, Turkey, Dohar, Qatar, Beijing, China, and Toronto, Canada. Mr. Norris also managed the development of the world's most successful PLM-to-C translator, a European ISDN teletext, and more than 10 additional projects.

Another major project at Typhoon was a successful proposal for a \$7.5 million rewrite of the entire Guam government software environment, including a substantial data mining

and document management component, with both to-date and date-forward efforts. This involved a team of 8 people hand-picked and managed by myself over a 4-month period.

**Division Director, Federal Systems, ExperTelligence, Inc., Santa Barbara, CA**

Mr. Norris managed the most ambitious object-oriented hypertext software development project ever written at the time, Dynamic Documents™, for the U.S. Government. Mr. Norris had 6 employees and a budget of \$500,000 per year. The team delivered a prototype, and then negotiated a follow-on contract for \$1 million over two years. Mr. Norris responsibilities included management, business, and programming -- Mr. Norris wrote the word processor.

**Member of the Technical Staff, General Research Corporation, Santa Barbara, CA, Hollister, CA, McLean, VA, and Alexandria, VA [Management duties]**

Mr. Norris performed the duties of a staff physicist [*discussed later under TECHNICAL EXPERIENCE*], as well as performing management and marketing functions. Mr. Norris was asked to improve software operations at a GRC subsidiary, Semifab, Inc., of Hollister, CA. Mr. Norris reorganized procedures, created a Software Department, purchased additional hardware and software, and produced their first operations manual. Mr. Norris hired the staff and stayed until the department was operational.

Mr. Norris did marketing, especially to the Defense and National Security communities. I conducted seminars in new research findings for potential customers throughout the U.S., and coordinated numerous proposal efforts.

Mr. Norris also conducted classes in counter-espionage and security awareness.

**President and Chief Pilot, Norris Airways, Santa Barbara, CA**

Mr. Norris created and operated an aircraft fixed base operation ("FBO") with 14 employees, including 9 pilots, 3 departments, and 11 single- and twin-engine aircraft. The firm offered aircraft instruction and rental, air taxi service under Federal Aviation Regulation Part 135, and were an authorized Cessna Aircraft dealership.

**President, Gasohol, Incorporated, Santa Barbara, CA**

Mr. Norris organized the first modern gasohol company west of the Mississippi, with 8 investors and 10 employees at 2 sites, including a retail station, a wholesale terminal, and a delivery tanker. Wholesale customers included the U.S. Naval Weapons Center, Pt. Mugu, CA.

**President, Norris Associates, Consultants, Santa Barbara, CA**

Mr. Norris created and ran an environmental and engineering consulting firm with 6 employees. Projects included residential developments, a power plant in Omaha, NE, a sewage system in Los Angeles, CA, and oil drilling offshore Orange County, CA. The firm developed oceanographic, thermal plume, and atmospheric chemistry software and used fuzzy set theory to model governmental decision making.

**SOFTWARE ENGINEERING and SCIENTIFIC RESEARCH EXPERIENCE:**

**SUMMARY:** I have been involved in software development since 1959, and in the industry since 1969. In addition, my career as a research physicist began in 1969 and lasted for many years.

**Project Manager, US Army Supply Chain Improvement, for TARDEC/TACOM**

I wrote the successful proposal for an advanced Federated Database integration tool to simplify condition-based maintenance, predictive maintenance, and vehicle condition monitoring for the Army's line of HMMWV vehicles. I managed the project for its startup, prior to being given leadership of a larger business unit.

**Systems Consultant, Kinko's, Inc. Corporate Headquarters, Ventura, CA**

I developed Visual Basic and ACCESS database tools for analysis of payroll and compensation issues related to corporate mergers and restructuring.

**Systems Consultant, Lawyer's Support Systems, Santa Barbara, CA**

I developed TAPI-2 voice response systems in C and Visual Basic.

**Systems Consultant, Allied Signal Corporation, El Segundo, CA**

I designed and wrote an automated requirements traceability matrix tool for NASA's International Space Station Alpha engineering support. The tool featured a parser and database engine, and was developed in ACCESS and VBA.

**Senior Programmer, Infogenesis Corporation, Goleta, CA**

I developed a range of software to support electronic cash registers for the restaurant and hospitality industry, including IBM 4680 Store Systems, PCs, and AS-400s. Applications include database, systems, installation configuration management, exception handling.

**Senior Scientist, Morton Associates, Inc., Santa Barbara, CA**

I wrote Oil Spill Emergency and Contingency Plans (OSCEPs) and related documents. I was the Senior Scientist and Principal Author of the OSCEPs for 8 offshore oil platforms operated by Chevron. I did process-plant risk analyses and wrote oil spill emergency response software and training multimedia presentations on Macintoshes and PCs using Macromind Director. I authored the *Commercial Fisheries Handbook for Proposed Exploratory Drilling Operations, Cavern Point Unit*, and was a contributing scientist in related documents. I also performed asset evaluation for oil leases offered for sale.

**Independent Consultant, Santa Barbara, CA**

- I wrote INSP, an air quality regulatory compliance Management Information System [Unocal, Inc.]
- I wrote the computer program, ECNA, Enhanced Criminal Network Analysis. ECNA is used by over 10,000 law enforcement personnel worldwide. [Anacapa Sciences, Inc.]

**Member of the Technical Staff, General Research Corporation, Santa Barbara, CA, Hollister, CA, McLean, VA, and Alexandria, VA [Technical projects]**

I performed the duties of a staff physicist, as well as performing management and marketing functions [*discussed earlier under MANAGEMENT EXPERIENCE*].

- Analysis of Soviet nuclear and conventional land/air threats and NATO and SDIO responses.
- Signal detection analysis. Research on the system dynamics of the formation of dissident, terrorist, and criminal groups, based on management science and critical systems approaches.
- Computer simulation of heat flow, magnetic fields, electromagnetic scattering, and neutron transport.
- Numeric-based AI analysis of electrophysiologic data and other observable human signals, including facial microgestures and voice spectral and discourse content.

**Independent Consultant, Santa Barbara, CA**

- Systems analysis of missile range safety software for Vandenberg AFB [Control Data Corp.]
- Software development for an optical measurement system [Nanometrics, Inc.]
- Hardware/software engineering for infrared detector testing [Santa Barbara Research Corp.]
- Software development for a color touch screen computer [Santa Barbara Laboratories]
- Deterministic simulation of fire control system for the M-1 tank [Delco Systems, Goleta]
- Simulation of power characteristics for the Lycoming O-235 aircraft engine [Santa Barbara Designs]
- Development of shipboard fire control software [AN-SLQ-32] [Raytheon]
- Development of real estate multiple listing database and print management software [DA-Com, Santa Barbara, CA]

**Senior Programmer, ITT Federal Electric Corp., Vandenberg AFB, CA**

Development of missile range safety and auto-destruct software

**Senior Programmer, Informatics, Inc., Jet Propulsion Laboratories, Pasadena, CA**

Development of telemetry and command software for support of NASA deep space probes from the world-wide Deep Space Network [DSN] antenna array.

**Physicist, Rockwell International Science Center, Thousand Oaks, CA**

Microwave remote sensing. Mössbauer studies of lunar rock from Apollos 11 and 12. Microwave studies of the earth's atmosphere. Studies of crystal growth in gels.

## **EDUCATION and CERTIFICATIONS**

University of California, Santa Barbara: B.A. Physics

University of California, Santa Barbara: Courses leading to designation as a CPA

Microsoft Certified Professional + Internet [MCP+I] designation

Project Management Professional [PMP] designation

University of Texas, Austin: Professional Certificate, HAZOPS and Risk and Management

Defense Department Industrial Security Institute, Honolulu, HI: Security Management Certificate

University of California, Santa Barbara: Post-graduate work in Advanced Mathematics and Physics, Human Factors, and Ergonomics

FAA Airline Transport Pilot; Ground Instructor, Parachute Rigger, former CFII/ASMEI

California Community College Lifetime Designated Subject Teaching Credential, Aviation

## **PUBLICATIONS**

"*Time-Resolved Emission Spectroscopy in Acetylene/Oxygen Explosions*", Combustion and Flame Journal, February 1970 (with R.J. Oldman and H.P. Broida)

"*The Brightness Temperature of the Terrestrial Sky at 2.69 GHz*", Journal of Atmospheric Physics, October 1972 (with W.W. Ho, G.M. Hidy, M.J. Van Melle, W. Hall, and H. Wang)

Numerous articles in popular aviation journals

## **PATENTS**

- US 7,573,044 B2 *Remote Detection Of Explosive Substances* GRANTED 8/11/09 - Priority 7/18/06
- US 12/503,300 *Remote Detection Of Explosive Substances* (Continuation-in-Part of 7,573,044) Filed 7/15/09 PENDING
- PCT/US2009/065706 *Background Signal Reduction In Neutron Fluorescence Applications Using Agile Neutron Beam Flux* Filed 11/24/09 Priority 11/24/08 PENDING
- PCT/US2009/065680 *Thermal, Epithermal And Cold Neutron Beam Forming Using Momentum Transfer* Filed 11/24/09 Priority 11/24/08 PENDING
- US 61/167902 *Minimizing Detector Noise ... Using Neutron Flux Modulation And Gamma Ray Detector Pulse Gating Synchronized To Neutron Time Of Flight* Filed 4/9/09 Priority 4/9/09 PENDING
- US 61/244,570 *Low-Cost, Organic-Scintillator Compton Gamma Ray Telescope* Filed 4/20/10 Priority 9/22/09 PENDING [with Ken Ricci, Ph.D. and Brad Paden, Ph.D.]

## **AFFILIATIONS**

- Association of the United States Army, Life Member [AUSA]
- National Defense Industrial Association [NDIA]
- Institute of Electrical and Electronics Engineers [IEEE]
- Association of Old Crows [AOC]
- Forensic Expert Witness Association [FEWA]
- Project Management Institute [PMI]
- Lions Club International
- Santa Barbara Science and Engineering Council

## **PRESENTATIONS**

I have conducted technical presentations or invited talks before the following venues:

- Joint Improvised Explosives Device Defeat Organization (JIEDDO)
- Deputy Chief Scientist of the US Army
- Defense Threat Reduction Agency (DTRA)
- Technical Services Working Group (TSWG)
- Department of Homeland Security (DHS)
- FAA Transportation Security Laboratory (FAA-TSL)
- US Naval Postgraduate School (NPS)
- Defense Advanced Research Projects Agency (DARPA)
- Association of the United States Army (AUSA)
- In-Q-Tel
- Army Communications-Electronics Research, Development, and Engineering Center (CERDEC)
- Oak Ridge National Laboratories / Radioisotope Engineering Development Center (ORNL/REDC)
- Representatives Joe Knollenberg (MI-9, ret'd), Lois Capps (CA-23), and G.K. Butterfield (NC-1)
- Senators Debbie Stabenow (MI) and Bill Nelson (FL)
- House Armed Services Committee (HASC) technology staff
- Senate Armed Services Committee (SASC) technology staff
- Keiretsu Forum
- Tech Coast Angel Forum

**SUMMARY OF ENVIRONMENTS AND CUSTOMERS (California except as noted)**

3DStockCharts.com, Santa Barbara	Kirtland AFB, NM
AlliedSignal Aerospace, Torrance	McCloskey Group, Inc., Santa Barbara
Anacapa Sciences, Santa Barbara	McDonnell Douglas Corp., Huntington Beach
Biopac Systems, Inc., Goleta	Morton Associates, Santa Barbara
BOSSdev/BOSSgov family of companies	Nanometrics Corp., Sunnyvale
Control Data Corp., Sunnyvale	Oceanographic Services, Inc., Santa Barbara
DefenderTech International Systems, Inc.	Offshore Creations, Inc.
Domain Names International	Raytheon, Goleta
Ecomar, Inc., Santa Barbara	Rockwell Science Center, Thousand Oaks
Edwards AFB	Santa Barbara Laboratories
Emulation Systems, Inc., Santa Maria	Santa Barbara Research Corp. (Hughes Aircraft)
General Research Corp., Santa Barbara	SEDS, LLC – Chief Scientist
GM Delco, Goleta	Typhoon Software, Santa Barbara
HDR Ecosciences, Santa Barbara	Unocal, Inc., Orcutt
Infogenesis, Inc.	United States Government (numerous offices)
Internal Revenue Service	Vandenberg AFB
Jet Propulsion Laboratory, Pasadena	
Kinko's, Inc. Corporate Headquarters	

**SUMMARY OF COMPUTER EXPERIENCE [non-legacy]**

**Operating Systems:**

- Windows
- Linux
- Solaris
- MacOS
- IBM 4680

**Languages**

- C/C++
- Java
- HTML
- Visual Basic / VBA
- Access
- Assembly Language [numerous]
- LISP
- FORTRAN
- COBOL
- SQL
- Adobe Photoshop

**Applications**

- Microsoft Office
- Adobe Illustrator
- Microsoft Project
- Microsoft Visio
- QuickBooks
- Microsoft Front Page
- MacroMedia Dreamweaver