

## ROBERT GEZELTER

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35-20 167<sup>th</sup> Street  
Flushing, New York 11358-1731 USA

### EDUCATION

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- PhD** City University of New York Graduate Center, May 2018  
Computer Science “Re-architecting Mass Storage  
Input/Output for Performance and Efficiency” Committee:  
Paula Whitlock (chair), James Cox, Robert M. Haralick,  
David Shields
- ABD** New York University/Courant Institute, Computer Science 1992
- MS** New York University/Courant Institute, February 1983  
Computer Science
- BA** New York University/Courant Institute, Computer Science June 1981

### HONORS AND AWARDS

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- IEEE Computer Society Charter Distinguished Contributor** 2021  
One of ten Computer Society members selected to be the nucleus of  
the Distinguished Contributor list.
- IEEE Computer Society Distinguished Visitor Program** 2004  
Three-year term speaking at North American IEEE Computer  
Society chapters

### RESEARCH EXPERIENCE

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- Small Business Innovation Research Contract**, Principal Investigator,  
RLG Research Corporation  
Flushing, New York 2024  
US Army Contract W51701-24-C-0085  
“Robust Information Delivery Despite Network Degradation”
- Dissertation**, City University of New York Graduate Center  
New York, New York 2013 – 2018  
Advisor: Paula Whitlock
- De-compose and re-construct mass storage for increased performance and efficiency
- PUMA Project**, Courant Institute of Mathematical Sciences 1979 – 1981  
**Research Assistant**, Ralph Grishman, Edi Franceschini
- Systems management and user support for PUMA
  - RSX-11M systems programming

Robert Gezelter - 1  
+1 (718) 463 1079

**LITTLE Project**, Courant Institute Mathematical Sciences 1977 – 1981  
**Research Assistant**, David Shields

- Responsible for LITTLE PDP-11 code generator/peephole optimizer

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**TEACHING EXPERIENCE**

**New York University**, New York, New York ~1985  
**Instructor**, Computer Science

- Taught undergraduate “Data Communications”
- Developed, wrote, and taught course. Graded assignments.
- 30 students

**New York University**, New York, New York ~1986  
**Instructor**, Computer Technology. School of Continuing Education

- Taught “VAX/VMS Networking” and “VAX-11 Assembler Language”
- Developed, wrote, and taught course. Graded assignments.
- 30 students each section

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**PUBLICATIONS**

***Books (in pre-production)***

Gezelter, R (2019) “Re-architecting Mass Storage Input/Output for Performance and Efficiency”

***Book Chapters***

Gezelter, R (2014) “Mobile Code” *Computer Security Handbook, 6<sup>th</sup> Edition*, John Wiley & Sons

Gezelter, R (2014) “E-commerce and Web Server Safeguards” *Computer Security Handbook, 6<sup>th</sup> Edition*, John Wiley & Sons

Gezelter, R (2009) “Mobile Code” *Computer Security Handbook, 5<sup>th</sup> Edition*, John Wiley & Sons

Gezelter, R (2009) “Protecting Web Sites” *Computer Security Handbook, 5<sup>th</sup> Edition*, John Wiley & Sons

Gezelter, R (2005) “Internet E-Mail Architecture” *Handbook of Information Security*, John Wiley & Sons

Gezelter, R (2005) “OpenVMS Security” *Handbook of Information Security*, John Wiley & Sons

Gezelter, R (2002) “Mobile Code” *Computer Security Handbook, 4<sup>th</sup> Edition*, John Wiley & Sons

Gezelter, R (2002) “Protecting Internet-Visible Systems” *Computer Security Handbook, 4<sup>th</sup> Edition*, John Wiley & Sons

Gezelter, R (2002) “Protecting Web Sites” *Computer Security Handbook, 4<sup>th</sup> Edition*, John Wiley & Sons

Gezelter, R (1997) “Security on the Internet” Chapter 23 in *Computer Security Handbook, 3<sup>rd</sup> Edition Supplement*, John Wiley & Sons

Gezelter, R (1995) “Security on the Internet” Chapter 23 in *Computer Security Handbook, 3<sup>rd</sup> Edition*, John Wiley & Sons

Gezelter, R. and Pap, R.M. (1990) “Fault Diagnosis” *Handbook of Neural Computing Applications* Academic Press

***Refereed Papers***

Gezelter, R. (2022, May) “Revisiting Operating System Mass Storage Presumptions Enables Higher Performance and Efficiency” Long Island Systems Applications and Technology Conference

Gezelter, R (2007, June) “Strategies for migrating from Alpha and VAX systems to HP Integrity server systems on OpenVMS” OpenVMS Technical Journal 10

Gezelter, R. (2007, May) “Safe Computing in the Age of Ubiquitous Connectivity” Long Island Systems Applications and Technology Conference

Gezelter, R (2004, February) “Inheritance based environments in standalone OpenVMS Systems and OpenVMS Clusters”, HP OpenVMS Technical Journal 3

***White Papers***

Gezelter, R (2020, December 3) “OpenVMS STARTUP: Underappreciated Flexibility”, <http://www.rlgsc.com/publications/whitepaper.html>

***Articles (77 total; full list on request)***

Gezelter, R (2024, February 28) “Resource Leaks – Increasing Quotas is not always the solution” The OpenVMS Consultant, <http://www.rlgsc.com/blog/openvms-consultant/openvms-consultant.html>

Gezelter, R (2023, July 25) “Trusting Encryption Supply Chains” Ruminations – An IT Blog, <http://www.rlgsc.com/blog/ruminations/ruminations.html>

Gezelter, R (2023, June 20) “OpenVMS x86-64 Guest Instances and Host Firewalls” The OpenVMS Consultant, <http://www.rlgsc.com/blog/openvms-consultant/openvms-consultant.html>

- Gezelter, R (2023, May 16) “Orderly Shutdown Should be First Priority” Ruminations – An IT Blog, <http://www.rlgsc.com/blog/ruminations/ruminations.html>
- Gezelter, R (2023, January 9) “Forget Looking Back – Clone and Update Forward” The OpenVMS Consultant, <http://www.rlgsc.com/blog/openvms-consultant/openvms-consultant.html>
- Gezelter, R (2022, October 6) “Worldwide Broadband Vulnerabilities are a Significant Hazard” Ruminations – An IT Blog, <http://www.rlgsc.com/blog/ruminations/ruminations.html>
- Gezelter, R (2022, September 6) “DCL Command Procedure Parameter Hinting” The OpenVMS Consultant, <http://www.rlgsc.com/blog/openvms-consultant/openvms-consultant.html>
- Gezelter, R (2022, July 25) “OpenVMS 9.2 for x86-64 is now available: Planning a path forward” The OpenVMS Consultant, <http://www.rlgsc.com/blog/openvms-consultant/openvms-consultant.html>
- Gezelter, R (2021, February 22) “The OpenVMS Consultant: Resolving the Contention Problem with ASSIGN/DEFINE”, The OpenVMS Consultant, <http://www.rlgsc.com/blog/openvms-consultant/openvms-consultant.html>
- Gezelter, R (2021, January 25) “Public Health Endangered by Deficient Use Models and Insufficient Applications”, Ruminations – An IT Blog, <http://www.rlgsc.com.blog/ruminations/ruminations.html>
- Gezelter, R (2020, December 21) “The OpenVMS Consultant: Adding a phase to STARTUP”, The OpenVMS Consultant, <http://www.rlgsc.com>
- Gezelter, R (2020, December 14) “The OpenVMS Consultant: Adding a file to STARTUP with SYSMAN”, The OpenVMS Consultant, <http://www.rlgsc.com>
- Gezelter, R (2020, October 6) “Journey into Peril: Rolling Your Own Security and Access Control”, Ruminations – An IT Blog, <http://www.rlgsc.com.blog/ruminations/ruminations.html>
- Gezelter, R (2020, June 22) “The OpenVMS Consultant: Preparing Applications for OpenVMS x86-64”, The OpenVMS Consultant, <http://www.rlgsc.com>
- Gezelter, R (2020, March 16) “Remote Security in Times of Expansion”, Ruminations – An IT Blog, <http://www.rlgsc.com.blog/ruminations/ruminations.html>

- Gezelter, R (2020, January 23) "Planning for a Move to OpenVMS x86-64"  
LegacyOS.org
- Gezelter, R (2011, February 21) "The OpenVMS Consultant: Digital Forensics and E-Discovery on OpenVMS", The OpenVMS Consultant, OpenVMS.org
- Gezelter, R (March 11, 2010) "The OpenVMS Consultant: Single Command Batch Jobs: An Alternative to SPAWN or Command Files", The OpenVMS Consultant, OpenVMS.org
- Gezelter, R (January 12, 2010) "Soloist OpenVMS Clusters: A New Perspective to Improve Functionality, Flexibility, and Usability", The OpenVMS Consultant, OpenVMS.org
- Gezelter, R (April 23, 2009) "Flaws in 'Internet SAFETY' Bill: Unexpected consequences of required dynamic address allocation logging", Network World News
- Gezelter, R (February 10, 2009) "Is compliance with standards achieving the goal of protecting data?" Network World Fusion
- Gezelter, R (2005, January 17) "How ISPs Can Defend Their Customers", Network World
- Gezelter, R (2004, March 15) "Security Considerations for Laptops and Visitors", Network World Fusion
- Gezelter, R (2003, April 10) "Towards a Resilient DNS: Part 2", Network World Fusion
- Gezelter, R (2003, April 8) "Towards a Resilient DNS: Part 1", Network World Fusion
- Gezelter, R (2003, April 7) "The Need for DNS Resiliency", Network World
- Gezelter, R (2000, August 14) "Stopping Spoofed Packets can cut down on DDoS Attacks", Network World Fusion
- Gezelter, R (1996) "Security Prosecution: Records and Evidence" DECUS Magazine
- Gezelter, R (1994, July/August) "The DECnet TASK Object: Security Hazard or Innocent Libel Victim". Digital Systems Journal 16(4)
- Gezelter, R (1994) "X-Window System: A Primer", Unix Networking a supplement to Open Systems Today
- Lau, J. and Gezelter, R. (1993) "An Introduction to AntiVirus Techniques", Datapro
- Gezelter, R (1991, July 22) "Tape is Still Tops at Many Sites", Digital News Extra

- Gezelter, R (1991, May 27) "Portability Problems" Digital News Extra
- Gezelter, R (1991, March 18) "Buying Workstations Today that You Will Use Tomorrow" Digital News Extra
- Gezelter, R (1991, January 21) "Managing End Users for Maximum Performance" Digital News Extra
- Gezelter, R (1990, October 15) "System Security: The Threat from Inside", Digital News Manager's Briefing
- Gezelter, R (1989, January 9) "See First's RAM Disk Boards Add Speed to Systems", Digital News Product Profile
- Gezelter, R (1988, December 12) "Solid-State Mass Storage Offers Alternative for I/O-Intensive Applications", Technical Topics, Digital News
- Gezelter, R (1988, September 19) "Choosing Terminal Servers: The Basic Concept Should be Simplicity", Technical Topics, Digital News
- Gezelter, R (1988, June) "Hardcopy Puts IBM's SAA In Perspective", Hardcopy Magazine 8(6)
- Gezelter, R (1988, June) "Network File Access - It's Easier Than You Think!", Hardcopy Magazine 8(6)
- Gezelter, Robert (1988, June) "Report 4: Micro-to-VAX Operating Systems, Part III, RT-11, RSTS, and RSX: Putting the PDP-11 Through Its Paces, RSX" Hardcopy Magazine 8(6)
- Gezelter, R (1988, March) "Network Application Servers can be the key to accessing distributed information" Hardcopy Magazine 8(3)
- Gezelter, R (1987, December) "Multiuser Protection: your key to a reliable efficient system" Hardcopy Magazine 7(12)
- Gezelter, R (1987, October) "What should you do before disaster strikes?" Hardcopy Magazine 7(10)
- Gezelter, R (1987, August) "Strategies for Implementing Remote Computing... Across the Hall or Around the World", Hardcopy Magazine 7(8)
- Gezelter, R (1987, August) "Serial Interfaces or Parallel Interfaces - Which are better?", Hardcopy Magazine 7(8)
- Gezelter, R (1987, May) "Local and Wide Area Networks", Hardcopy Magazine 7(5)
- Gezelter, R (1987, March) "Local Area Network Security – Potential Pitfalls?", Hardcopy Magazine 7(3)

**Conference Papers**

Gezelter, R. "Revisiting Operating System Mass Storage Presumptions Enables Higher Performance and Efficiency" Long Island Systems Applications and Technology Conference, May 2022

Gezelter, R. "Safe Computing in the Age of Ubiquitous Connectivity" Long Island Systems Applications and Technology Conference, May 2007

Gezelter, R. "The DECnet TASK Object: Security Hazard or Innocent Libel Victim", Proceedings of the 6<sup>th</sup> International Virus and Security Conference, March 10-13, 1993, New York, New York

Gezelter, Robert "How to Keep Your DEC System Secure", Proceedings of the 5<sup>th</sup> International Virus and Security Conference, March 13, 1992, New York, New York

**PATENTS**

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Gezelter, R (2024, January 16) "Fast Mass Storage Access for Digital Computers" United States Patent 11 874 782

Shapiro, J.,Gezelter, R (2017, September 5) "Method and System for Metadata Modification," United States Patent, No. 9 753 934

Shapiro, J.,Gezelter, R (2016, March 15) "System and Method for Metadata Modification," United States Patent, No. 9 286 308

**SEMINARS AND WORKSHOPS**

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**HPWORLD 2004** OpenVMS User Environments, Chicago, Illinois, August 17, 2004

**1995 UK DECUS Symposium** Strategies for Implementing Remote Computing: Across the Hall or Around the World, May 1995.

**ISSA/ISACA Joint Seminar** Security Prosecution: Records and Evidence New York, New York, October 5, 1994

**1994 DECUS Canada Symposium** Programming Network Processes and Servers, Vancouver, British Columbia, February 1994

**DECUS Switzerland 1992** Strategies for Implementing Remote Computing: Across the Hall or Around the World, Lausanne, Switzerland, March 1992

**DECSYM 92** Strategies for Implementing Remote Computing: Across the Hall or Around the World, SiDE, Turkiye March 1992

**DECUS Switzerland 1991** Lugano, Switzerland

**DECUS Europe 1990 Pre-symposium Seminar** Strategies for Implementing Remote Computing: Across the Hall or Around the World Cannes, France, September 3, 1990

**DEXPO East 90** Strategies for Implementing Remote Computing: Across the Hall or Around the World Boston, Massachusetts, June 27, 1990

**New York City Chapter, Association for Computing Machinery, Professional Development Seminar** Strategies for Implementing Remote Computing: Across the Hall or Around the World. January 1988

**Fall 1990 US DECUS Symposium** Your Key to Efficient Event Driven Systems under VAX/VMS: Asynchronous System Traps Las Vegas, Nevada, December 1990

**1990 DECUS Canada Symposium** Your Key to Efficient Event Driven Systems under VAX/VMS: Asynchronous System Traps Toronto, Ontario, January 1990

**1989 Fall US DECUS Symposium** Your Key to Efficient Event Driven Systems under VAX/VMS: Asynchronous System Traps Anaheim. California, November 1989

**Spring 1989 US DECUS Symposium** Implementing Applications Efficiently in a Distributed VAX/VMS Environment Atlanta, Georgia, May 5, 1989

**New York City Chapter, Association for Computing Machinery, Professional Development Seminar** Managing Your VAX: Concepts and Guidelines. New York, New York, June 2, 1988.

**New York City Chapter, Association for Computing Machinery, Professional Development Seminar** Implementing Efficient Applications Systems under VAX/VMS, New York, New York, May 5, 1988.

**CONFERENCE AND MEETING PRESENTATIONS (167 PRESENTATIONS; COMPLETE LIST ON REQUEST)**

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“Benchmarking Virtualized Mass Storage Systems” VMS Software Bootcamp, Portsmouth, New Hampshire, October 24, 2025

“Group and Application-specific Login Profiles” VMS Software Bootcamp, Portsmouth, New Hampshire, October 24, 2025

“Inheriting and Structuring Logical Names” VMS Software Bootcamp, Portsmouth, New Hampshire, October 23, 2025

“Troubleshooting AST Code” VMS Software Bootcamp, Portsmouth, New Hampshire, October 22, 2025

“OpenVMS DEBUG: A Powerful Tool for Sophisticated Debugging” VMS Software Bootcamp, Portsmouth, New Hampshire, October 22, 2025

- “Introduction to AST Programming” VMS Software Bootcamp, Boston, Massachusetts, October 23, 2024
- “Preserving Electronic Evidence on OpenVMS” VMS Software Bootcamp, Boston, Massachusetts, October 23, 2024
- “OpenVMS Shareable Libraries: An Implementor’s Guide” VMS Software Bootcamp, Boston, Massachusetts, October 24, 2024
- “Migrating OpenVMS Storage without Interruption/Disruption” VMS Software Bootcamp, Boston, Massachusetts, October 24, 2024
- “Constraints in the Mobile World” IEEE Long Island Section Computer Society, Holtsville, New York May 22, 2012
- “Cyberspace and the Intersection of Security: New Challenges for Corporate Security, Law Enforcement, and our Privacy” St John’s University, April 10, 2014
- “Building within Frameworks” 7th IEEE IT Professional Conference at the Trenton Computer Festival, Ewing, New Jersey, March 9, 2012
- “Lexical Macros in C/C++” 37th Trenton Computer Festival, Ewing, New Jersey, March 10, 2012
- “Safe Computing with Disposable Virtual Machines” 37th Trenton Computer Festival, Ewing, New Jersey, March 10, 2012
- “Different Options for Integrating SVG: Blending client-side, dynamic, on-revision, and static content” 9th International Conference on Scalar Vector Graphics, Boston, Massachusetts, October 17, 2011
- “Web Server Scripts in ‘C’” Connect 2011 OpenVMS Bootcamp, Needham, Massachusetts September 19-22, 2011
- “Languages, Platforms, and Paradigms: Choosing for Long-term Fit” Long Island Chapter, IEEE Circuits and Systems Society, Greenlawn, New York June 23, 2011
- “Minimum Necessary Implementation: Reducing Attack Surface to Increase Security” The Open Web Application Security Project (OWASP), Long Island Chapter, May 14, 2011
- “Cyber Hospitality in Safety: Protecting Shared Broadband Against Contagion” Trenton Computer Festival, April 2-3, 2011
- “Agility, the Cloud, and Accountability: What you can’t know can kill you” Trenton Computer Festival Professional Conference, April 1, 2011
- “Square Pegs/Round Holes: Toolset Strengths and Weaknesses”, Trenton Computer Festival, College of New Jersey, Ewing Township, New Jersey (April 23, 2010)

- “IT and Ethics: Guidelines for Professionals”, Trenton Computer Festival, College of New Jersey, Ewing Township, New Jersey (April 24, 2010)
- “Forethought: The Unspoken Foundation of Evolution”, ITARC-New York 2009, New York, New York (October 2009)
- “Design Implementation for the Long Term”, Long Island IEEE Circuits and Systems Society, Greenlawn, New York (September 2009)
- “Web Efficiency: Using XHTML, CSS, and Server-side to Maximize Efficiency”, Trenton Computer Festival Professional Conference, April 24, 2009
- “Incident Response: What to do when ‘There is a problem?’”, New York Enterprise Windows User Group, March 5, 2009
- “Strategies for Migrating Alpha and VAX Systems to HP Integrity Servers on OpenVMS”, HP Technology Forum 2008, Las Vegas, Nevada (June 2008)
- “Compartmented Networks: A Corporate Solution for Privacy, Integrity, and Security”, 11th Annual New York State Cyber Security Conference, Albany, New York (June 2008)
- “Ensuring Security, Privacy, and Authenticity in a WWW Connected World”, WebTechNY (February 2008)
- “Wireless Security: What Every Business Must Know”, Public Seminar, Sponsored by the Office of the County Executive, Westchester County, New York, October 4, 2006
- “Time as a Microcosm: Was the Year 2000 Crisis Inevitable?” Los Alamos National Laboratory and IEEE Computer Society Los Alamos and Northern New Mexico Chapter, Los Alamos, New Mexico, February 23, 2006
- “The Internet and the Family: A Chat with Computer Security Handbook Contributing Editor Robert Gezelter”, IEEE Computer Society, Los Alamos and Northern New Mexico Chapter, February 21, 2006
- “Business Survival in the Age of Computing” IEEE Computer Society, New Orleans, Louisiana (November 15, 2005)
- “Architectural Issues for Embedded Processors and Applications” IEEE Computer Society, University of Memphis, Memphis, Tennessee (November 1, 2005)
- “Implications of Recent Legal Changes on Systems Management and Information Assurance” IEEE Computer Society, Norwich University, Northfield, Vermont (September 29, 2005)

- “Internet Dial Tones & Firewalls: One Policy Does Not Fit All”, IEEE Computer Society, Charleston, South Carolina (June 10, 2003); Tampa, Florida (March 24, 2004); Orlando, Florida (March 25, 2004); Schenectady, New York (October 15, 2004)
- “Les Approximations Dangereuse: The Sorcerer’s Apprentice and Other Dangerous Approximations”, 4th E-Protectit Conference, Norwich University, Northfield, Vermont (March 21, 2002); IEEE Computer Society, Champlain College, Burlington, Vermont (September 28, 2005)
- “Connections Lost: Lessons from New York, September 11, 2001”, Chicago Area Real Time Society (December 5, 2001)
- “Network Disaster Planning”, US Fall 1999 DECUS Symposium, San Diego, California, November 8, 1999
- “Plain Talk Management Needs to Hear from Its Technical Support Staff”. Commerce in Cyberspace: Expanding Your Enterprise via the Internet. February 6-7, 1996, New York, New York. Sponsored by The Conference Board and the US Department of Commerce.
- “Enabling the Enterprise Network for Internet Access”. Computer Security '96, sponsored by the New York Information Systems Security Association, June 5, 1996, New York, New York
- Internet Threats and Hazards. Security 95. Information Systems Security Association-New York, June 6, 1995
- Security Prosecution: Records and Evidence. Fall 1993 US DECUS Symposium, December 10, 1993, San Francisco, California
- Introduction to DCL Programming using Lexical Functions. Spring 1993 US DECUS Symposium, June 10, 1993, Atlanta, Georgia.
- Security Prosecution: Records and Evidence. Spring 1993 US DECUS Symposium, June 7, 1993, Atlanta, Georgia.
- Applications Tuning for OpenVMS. Spring 1993 US DECUS Symposium, June 8, 1993, Atlanta, Georgia.
- Effective Hardware Protection against Virus and Trojan Horse Attacks, National Computer Security Association Conference, June 1993
- System Security: The Forgotten Issues. US Fall 1990 DECUS Symposium, December 1990
- Postscript Programming. US Fall 1990 DECUS Symposium, December 1990
- VAX/VMS Asynchronous System Trap (AST) Internals. US Fall 1990 DECUS Symposium, December 1990

Introduction to DCL Programming using Lexical Functions. US Fall 1990  
DECUS Symposium, December 1990

VAX/VMS: System Performance Issues. NASA-Marshall Users Group,  
George C. Marshall Space Flight Center, Alabama April 28, 1988 and  
Central Florida Local Users Group, Melbourne, Florida, March 15,  
1989.

Efficient Implementation of Event Driven Systems using VAX/VMS. Fall  
1988 DECUS Symposium, October 1988, Anaheim, California.

Network Disaster Management. Fall 1988 DECUS Symposium, October  
1988, Anaheim, California.

Operating Systems for DEC Computers (16 bit Operating Systems). DEXPO  
East, February 1988.

Outfitting the Successful Office. Long Island Computer and Business  
Equipment Showcase, September 1986.

Front End Processors for PDP-11 and VAX Systems. Fall 1985 DECUS  
Symposium, Anaheim, California, December 1985 and Spring 1986  
DECUS Symposium, April 1986, Dallas, Texas.

Network Applications Architectures under RSX-11 Family Operating  
Systems. Spring 1986 DECUS Symposium, April 1986, Dallas, Texas.

Realtime Systems Architectures. Spring 1986 DECUS Symposium, April  
1986, Dallas, Texas.

#### **CERTIFICATIONS**

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**Digital Forensics Certified Professional**, Digital Forensics Certification Board  
(2010)

#### **PROFESSIONAL AFFILIATIONS**

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Life Senior Member, Institute of Electrical and Electronics Engineers

Member, Association for Computing Machinery

Member, American Association for the Advancement of Science

Member, Connect Worldwide

Founding Member, Digital Forensics Certification Board