

ROBERT GEZELTER

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Flushing, New York 11358-1731 USA

EDUCATION

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|------------|--|---------------|
| PhD | City University of New York Graduate Center,
Computer Science “Re-architecting Mass Storage
Input/Output for Performance and Efficiency” Committee:
Paula Whitlock (chair), James Cox, Robert M. Haralick,
David Shields | May 2018 |
| ABD | New York University/Courant Institute, Computer Science | 1992 |
| MS | New York University/Courant Institute,
Computer Science | February 1983 |
| 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
US Army Contract W51701-24-C-0085
“Robust Information Delivery Despite Network Degradation” | 2024 |
| Dissertation , City University of New York Graduate Center
New York, New York
Advisor: Paula Whitlock <ul style="list-style-type: none">De-compose and re-construct mass storage for increased performance and efficiency | 2013 – 2018 |
| PUMA Project , Courant Institute of Mathematical Sciences
Research Assistant , Ralph Grishman, Edi Franceschini <ul style="list-style-type: none">Systems management and user support for PUMARSX-11M systems programming | 1979 – 1981 |

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

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

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

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, 6th Edition*, John Wiley & Sons

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

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

Gezelter, R (2009) “Protecting Web Sites” *Computer Security Handbook, 5th 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, 4th Edition*, John Wiley & Sons

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

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

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

Gezelter, R (1995) “Security on the Internet” Chapter 23 in *Computer Security Handbook, 3rd 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

Gezelter, R (2025, July 21) “Flash Flood Safety: Immediately Implementable Precautions” Ruminations – An IT Blog, <http://www.rlgsc.com/blog/ruminations/ruminations.html>

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 28) “The OpenVMS Consultant: Shutdowns using STARTUP.COM”, The OpenVMS Consultant,
<http://www.rlgsc.com/blog/openvms-consultant/openvms-consultant.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 30) "The OpenVMS Consultant: Planning for OpenVMS x86-64", The OpenVMS Consultant, <http://www.rlgsc.com>
- 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 (2011, February 11) "The OpenVMS Consultant: Spiraling – A Better Rightsizing Paradigm", Tech Tidings 2(1), pp 3
- Gezelter, R (2011, February 6) "The OpenVMS Consultant: DCL File Access", The OpenVMS Consultant, OpenVMS.org
- Gezelter, R (2010, December 30) "The OpenVMS Consultant: DCL Call Forward and Callback", The OpenVMS Consultant, OpenVMS.org
- Gezelter, R (2010, November 18) "The OpenVMS Consultant: Climbing the Spiral: A Better Rightsizing Paradigm", The OpenVMS Consultant, OpenVMS.org,
- Gezelter, R (2010, September 30) "The OpenVMS Consultant: Filename Alchemy – F\$PARSE Defaulting", The OpenVMS Consultant, OpenVMS.org
- Gezelter, R (2010, October 12) "The OpenVMS Consultant: Group-wide LOGIN Profiles Lower Risk, Decrease Cost", Tech Tidings 1(7), pp 17-19
- Gezelter, R (2010, September 30) "The OpenVMS Consultant: Group-wide LOGIN Profiles Lower Risk, Decrease Cost", The OpenVMS Consultant, OpenVMS.org,
- Gezelter, R (2010, August 24, 2010) "The OpenVMS Consultant: SYS\$MANAGER:SYLOGIN.COM - Verification of SYLOGIN Processing Without Disruption", Tech Tidings 1(6), , pp 7-10
- Gezelter, R (2010, July 12) "The OpenVMS Consultant: SYS\$MANAGER:SYLOGIN.COM - Verification of SYLOGIN Processing Without Disruption", The OpenVMS Consultant, OpenVMS.org

Gezelter, R (2010, April 26) "The OpenVMS Consultant: SYS\$MANAGER:SYLOGIN.COM - Flexibility Requires Prudence", 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 (November 3, 2009) "Why OpenVMS?", The OpenVMS Consultant, OpenVMS.org

Gezelter, R (June 9, 2009) "DCL Computed GOTO", 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 (March 2, 2009) "DCL Symbols: Starting at the beginning", The OpenVMS Consultant, OpenVMS.org

Gezelter, R (February 10, 2009) "Is compliance with standards achieving the goal of protecting data?" Network World Fusion

Gezelter, R (February 3, 2009) "OpenVMS DEBUG: Often underutilized and unappreciated", The OpenVMS Consultant, OpenVMS.org

Gezelter, R (2005, July 9) "OpenVMS—ftp and sneakernet Are Not Your Only Options". The OpenVMS Consultant, OpenVMS.org

Gezelter, R (2005, January 17) "How ISPs Can Defend Their Customers", Network World

Gezelter, R (2004, December 7) "OpenVMS HP—Intel Developer Forum: Report from the Front Lines", The OpenVMS Consultant, OpenVMS.org

Gezelter, R (2004, September 5) "HPWORLD 2004: Noteworthy OpenVMS Technical News", The OpenVMS Consultant, OpenVMS.org

Gezelter, R (2004, March 15) "Security Considerations for Laptops and Visitors", Network World Fusion

Gezelter, R (2003, August) "Server Consolidation: Back to the Future", The OpenVMS Consultant, OpenVMS.org

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 (2003, March 31) "Pitfalls of F\$LOCATE and other Functions", The OpenVMS Consultant, OpenVMS.org
- Gezelter, R (2003, March 3) "Logical Names: Part 5", The OpenVMS Consultant, OpenVMS.org
- Gezelter, R (2003, February 5) "Logical Names: Part 4", The OpenVMS Consultant, OpenVMS.org
- Gezelter, R (2002, December 4) "Report from the 1st OpenVMS Technical Symposium – Part 1", The OpenVMS Consultant, OpenVMS.org
- Gezelter, R (2002, November 4) "Logical Names: Part 3", The OpenVMS Consultant, OpenVMS.org
- Gezelter, R (2002, October 17) "Logical Names: Part 2", The OpenVMS Consultant, OpenVMS.org
- Gezelter, R (2002, September 24) "Logical Names: Part 1", The OpenVMS Consultant, OpenVMS.org
- 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 6th 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 5th International Virus and Security Conference, March 13, 1992, New York, New York

PATENTS

Gezelter, R (2026, April 28) “Fast Mass Storage Access for Digital Computers” United States Patent 12 613 815

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

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

“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

- “In a Virtual World, Performance is Always Physical” VMS Software Bootcamp, Boston, Massachusetts, October 25, 2024
- “Introduction to AST Programming” Connect OpenVMS Bootcamp, Westford, Massachusetts, September 25, 2017
- “Using Virtualized Systems to Improve Preparedness & Operation” Connect OpenVMS Bootcamp, Westford, Massachusetts, September 25, 2017
- “Designing OpenVMS Software for Inevitable Failures” Connect OpenVMS Bootcamp, Nashua, New Hampshire, September 26-28, 2016
- “Introduction to Asynchronous System Trap (AST) Programming” Connect OpenVMS Bootcamp, Nashua, New Hampshire, September 26-28, 2016
- “The Fourth Porting: Preparing Sources for the x86” Connect OpenVMS Bootcamp, Nashua, New Hampshire, September 26-28, 2016
- “Building Applications Programming Interfaces for the Future” New York Software & Systems Process Improvement Network, New York, New York, January 26, 2016
- “Extending DCL with Command Files” Connect OpenVMS Bootcamp, September 29, 2015
- “Using OpenVMS Technologies to Build an Agile Computing Base: From Experiment to Production without Interruption” Connect OpenVMS Bootcamp, September 2015
- “Controlled Customization using Hierarchical Logical Names” Connect OpenVMS Bootcamp, September 28, 2015
- “SYSMAN for Improved Management of Restarts” Connect OpenVMS Bootcamp, September 2015
- “SYSMAN for Improved Management of Restarts” Connect OpenVMS Bootcamp, October 1, 2014
- “Using OpenVMS Technologies to Build an Agile Computing Base” Connect OpenVMS Bootcamp, September 29, 2014
- “From Proof of Concept to Full Scale Production: Continuous Rightsizing on OpenVMS” Connect OpenVMS Bootcamp, September 28, 2014
- “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
- “Using OpenVMS Technologies to Build an Agile Computing Base” Connect 2011 OpenVMS Bootcamp, Needham, Massachusetts September 19-22, 2011
- “Web Server Scripts in ‘C’” Connect 2011 OpenVMS Bootcamp, Needham, Massachusetts September 19-22, 2011
- “Evolving OpenVMS Environments: An Exercise in Continuous Computing” 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
- “Preserving Privacy with Virtual Machines”, 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
- “Using OpenVMS Technologies to Build an Agile Computing Base” Connect OpenVMS Bootcamp, Nashua, New Hampshire (September 13-16, 2010)
- “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)
- “Disposable Virtual Machines”, 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)
- “Evolving OpenVMS Environments: An Exercise in Continuous Computing”,
HP Technology Forum 2009, Las Vegas, Nevada (June 2009)
- “Safe Computing in the Wireless Home”, Trenton Computer Festival,
April 25, 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)
- “Migrating OpenVMS Storage Environments without Interruption or
Disruption”, HP Technology Forum 2007, Las Vegas, Nevada (June
2007)
- “Wireless Security: What Every Business Must Know”, Public Seminar,
Sponsored by the Office of the County Executive, Westchester County,
New York, October 4, 2006
- “Strategies for Migration from Alpha and VAX to HP Integrity”, HP
Enterprise Technology Forum, Houston, Texas, September 18, 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)
- “Migrating OpenVMS Storage Environments without Interruption or Disruption”, HP Technology Forum 2005, Orlando, Florida (October 20, 2005)
- “Implications of Recent Legal Changes on Systems Management and Information Assurance” IEEE Computer Society, Norwich University, Northfield, Vermont (September 29, 2005)
- “Code Portability and Related Issues for EPIC” IEEE Computer Society, Dartmouth College, Hanover, New Hampshire (September 26, 2005)
- “Safe Computing in the Age of Ubiquitous Connectivity”. IEEE Computer Society, Binghamton University, Binghamton, New York (April 6, 2005); New York, New York (April 6, 2005); Northern Alberta Chapter, Edmonton (Alberta, May 19, 2005); St. Michael’s College, Burlington, Vermont (September 27, 2005); Memphis, Tennessee (November 2, 2005); Seattle, Washington (November 9, 2005); Los Alamos and Northern New Mexico Chapter, Los Alamos, New Mexico (February 22, 2006); Northern New Jersey, Whippany, New Jersey (May 30, 2006), Houston, Texas (September 15, 2006); Hawthorne, New York (November 14, 2006)
- “Architectural Techniques for Interoperability and Coexistence”. IEEE Computer Society, Charleston, South Carolina (June 10, 2003); Northern New Jersey Chapter, Whippany, New Jersey (March 22, 2005); Southern Alberta Chapter, Calgary, Alberta (May 18, 2005); University of Vermont, Burlington, Vermont (September 27, 2005); Long Island Chapter, Farmingdale, NY (April 18, 2006); Minneapolis, Minnesota (June 6, 2006); Montreal, Quebec (October 11, 2006)
- “OpenVMS on Integrity Servers: Migrating from Alpha”. Encompass Delaware Valley Local User Group, Blue Bell, Pennsylvania (March 10, 2005); Encompass Canada Edmonton and Region Local User Group, Edmonton, Alberta (May 19, 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)
- “Threads and Events”, HP Enterprise Technology Symposium, St. Louis, Missouri, (October 8, 2002)

- “The Third Porting: Applying Past Lessons to the Alpha/Itanium Transition”, HP Enterprise Technology Symposium, St. Louis, Missouri, October 11, 2002
- “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)
- “The Third Porting: Applying Past Lessons to the Alpha/Itanium Transition”, Chicago Area Real Time Society (December 5, 2001)
- “Building Secure Applications on OpenVMS”, Compaq Enterprise Technology Symposium, Anaheim, California (September 12, 2001)
- “The Third Porting: Applying Past Lessons to the Alpha/Itanium Transition”, Compaq Enterprise Technology Symposium, Anaheim, California (September 13-14, 2001)
- “OpenVMS Shareable Libraries: An Implementer’s Guide”, Compaq Enterprise Technology Symposium, Los Angeles, California (October 6, 2000)
- “Introduction to OpenVMS AST Programming”, Compaq Enterprise Technology Symposium, Los Angeles, California, October 6, 2000
- “Building Secure OpenVMS Applications”, Compaq Enterprise Technology Symposium, Los Angeles, California, October 6, 2000
- “Architectural Techniques for Interoperability and Coexistence”, IEEE Computer Society, Charleston, South Carolina (June 9, 2003)
- “Network Disaster Planning”, US Fall 1999 DECUS Symposium, San Diego, California, November 8, 1999
- “Implementing Firewalls and Proxy Servers”, US Fall 1999 DECUS Symposium, San Diego, California, November 9, 1999
- “Building Secure OpenVMS Applications”, US Fall 1999 DECUS Symposium, San Diego, California, November 9, 1999
- “SYSMAN for Improved Restart Performance”, 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.

“Threads and Events”, Fall 1996 US DECUS Symposium, Anaheim, California, November 12, 1996

“Security Guidelines for New and Existing OpenVMS Applications”, Fall 1996 US DECUS Symposium, Anaheim, California, November 12, 1996

“A Case Study in OpenVMS Shareable Libraries”, Fall 1996 US DECUS Symposium, Anaheim, California, November 12, 1996

“OpenVMS-ALPHA/VAX Asynchronous System Trap Internals”, Fall 1996 US DECUS Symposium, Anaheim, California, November 13, 1996

“File Systems on Windows NT, OpenVMS, and MS-DOS: A Structural Comparison”, Fall 1996 US DECUS Symposium, Anaheim, California, November 12, 1996

“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

“OpenVMS Shareable Libraries: An Implementor's Guide”, Spring 1996 US DECUS Symposium, June 6, 1996, St. Louis, Missouri

“Case Studies in OpenVMS Shareable Libraries”. Spring 1996 US DECUS Symposium, June 6, 1996, St. Louis, Missouri.

“Living in an Imperfect World: Disasters and Service Interruptions Large and Small”, Spring 1996 US DECUS Symposium, St. Louis, Missouri , June 3, 1996

“DCL Lexicals: OpenVMS Jujitsu” US DECUS Symposium, December 5, 1995, San Francisco, California.

SYSMAN for Improved Restart Performance US DECUS Symposium, December 5, 1995, San Francisco, California.

Better Invisible than Agile: Applications of RFC 1597. US DECUS Symposium, December 7, 1995, San Francisco, California.

Security Prosecution: Records and Evidence. US DECUS Symposium, December 6, 1995, San Francisco, California;

Internet Threats and Hazards. Security 95. Information Systems Security Association-New York, June 6, 1995

Invited Speaker, 1995 DECUS UK Symposium, Coventry, UK, 17-22 May 1995.

PostScript for Custom Forms, Spring 1995 US DECUS Symposia, Washington DC, May 1995

Introduction to AST Programming. Spring 1995 US DECUS Symposia, Washington DC, May 1995

Security Prosecution: Records and Evidence. US DECUS Symposium, May 11, 1994, New Orleans.

The DECnet TASK Object: Security Hazard or Innocent Libel Victim. US DECUS Symposium, May 11, 1994, New Orleans.

OpenVMS Asynchronous System Trap (AST) Internals. US DECUS Symposium, May 12, 1994, New Orleans.

Living in an Imperfect World: Disasters and Service Interruptions. US DECUS Symposium, May 12, 1994, New Orleans.

Special Drivers and Devices in OpenVMS. 1994 DECUS Canada Symposium. March 1, 1994, Vancouver, British Columbia

The DECnet TASK Object: Security Hazard or Innocent Libel Victim. 1994 DECUS Canada Symposium, March 1, 1994, Vancouver, British Columbia

Security Prosecution: Records and Evidence. 1994 DECUS Canada Symposium, March 1, 1994

PostScript for Applications Programming: Creating Print Forms. 1994 DECUS Canada Symposium, March 2, 1994, Vancouver, British Columbia

Introduction to DCL Programming using Lexical Functions. Fall 1993 US DECUS Symposium, December 6, 1993, San Francisco, California

Programming Network Processes and Servers using DECnet-VMS. Fall 1993 US DECUS Symposium, December 7, 1993, San Francisco, California

Security Prosecution: Records and Evidence. Fall 1993 US DECUS Symposium, December 10, 1993, San Francisco, California

System Security: The Forgotten Issues. Fall 1993 US DECUS Symposium, December 10, 1993, San Francisco, California

The DECnet TASK Object: Security Hazard or Innocent Libel Victim. Fall 1993 US DECUS Symposium, December 6, 1993, San Francisco, California

Introduction to PostScript Programming. Fall 1993 US DECUS Symposium, December 8, 1993, San Francisco, California

PostScript for Production Printing. Fall 1993 US DECUS Symposium, December 8, 1993, San Francisco, California

System Security: The Forgotten Issues. Spring 1993 US DECUS Symposium, June 11, 1993, Atlanta, Georgia.

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.

Introduction to PostScript Programming. Spring 1993 US DECUS Symposium, June 8, 1993, Atlanta, Georgia.

PostScript for Production Printing. Spring 1993 US DECUS Symposium, June 10, 1993, Atlanta, Georgia.

PostScript for Applications Programming: Creating Print Forms. Spring 1993 US DECUS Symposium, June 9, 1993, Atlanta, Georgia.

Living in an Imperfect World: Disasters and Service Interruptions. Spring 1993 US DECUS Symposium, June 8, 1993, Atlanta, Georgia.

OpenVMS-VAX Asynchronous System Trap (AST) Internals. Spring 1993 US DECUS Symposium, June 11, 1993, Atlanta, Georgia.

Case Studies in VAX/VMS Shareable Libraries. Spring 1993 US DECUS Symposium, June 7, 1993, Atlanta, Georgia.

Applications Tuning for OpenVMS. Spring 1993 US DECUS Symposium, June 8, 1993, Atlanta, Georgia.

Developing Portable Code. Spring 1993 US DECUS Symposium, June 11, 1993, Atlanta, Georgia.

Introduction to AST Programming. Spring 1993 US DECUS Symposium, June 7, 1993, Atlanta, Georgia.

Effective Hardware Protection against Virus and Trojan Horse Attacks, National Computer Security Association Conference, June 1993

PCL and PDL: Comparison and Contrast (with Schwarz, C) US DECUS Symposium, May 1991, Atlanta, Georgia

VAX Workstation Performance. US DECUS Symposium, May 9, 1990, New Orleans, Louisiana.

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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

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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.

Downline Loading using MOP. Fall 1988 DECUS Symposium, October 1988,
Anaheim, California and Spring 1988 DECUS Symposium, May 1988,
Cincinnati, Ohio.

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

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

PROFESSIONAL AFFILIATIONS

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