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Education:

Ph.D. Electrical Engineering - University of Southern California, 1986
M.S. Information Science - University of Pittsburgh, 1980
B.S. Electrical Engineering - Carnegie-Mellon University, 1977

Positions (* current):

* CEO, Management Analytics, 1977-present (2012-07 CA successor to previous company)
* Member, Fearless Security, LLC 2014-08 – present
* Member, Angel To Exit, LLC, 2016-11 – present
* Member, Ulysses Support Group, LLC, 2020-05 – present
President, Keiretsu Forum - Pebble Beach, 2016-02 – 2020-05
Member, Monterey Incubator, LLC, 2017-11 – 2018-11
Member, Can Do Funds, LLC, 2018-01 – 2018-11
Member, Fearless Ridge, LLC 2015-07 – 2018-09
Director, Webster University CyberSpace Research Institute, 2016-07 – 2017-12
Interim Director, Webster University Cyber Laboratories, 2013-11 – 2017-12
CEO, Fred Cohen & Associates, 1986-03 – 2015-12
President, California Sciences Institute, 2007-11 - 2012-12
Community Faculty Member, Metropolitan State University, 04/08-01/09
Adjunct Professor, University of San Francisco, 08/07-08/08
Research Professor, University of New Haven, 09/02-08/08
Chairman, Security Posture, 10/02-09/06
Principal Analyst, Burton Group, 04/03-04/06
Principal Member of Technical Staff, Sandia National Laboratories, 10/97-11/02
Chief Computer Forensic Scientist/Investigator, TAL Global, 09/01-11/02
Senior Member Technical Staff, Sandia National Laboratories, 7/96-9/97
Practitioner in Residence, University of New Haven, 06/98-09/02
Senior Scientist, SAIC, Inc., 7/93-6/95
Chairman, AllThings Incorporated, 1/95-1/96
Board Member, AllThings Incorporated, 6/94-1/96
Professor, Queensland University of Technology (visiting), 7/92-12/92
President, The Radon Project, Inc. 3/87-10/89
Asst. Professor, University of Cincinnati, 9/87-12/88
Asst. Professor, Lehigh University, 1/86-8/87
Lecturer, Lehigh University, 1/85-12/85

Editorial Boards, Program Committees:

2013-present, International Conference on Digital Forensics & Cyber Crime
2011-present, Journal of Digital Forensics, Security, and Law (Topic editor: Science)
2010-present, Board of Referees for the journal Digital Investigation
2009-present, IFIP WG 11.10 Program Committee (reviewer)
2008-present, IFIP WG 11.9 Program Committee (reviewer)
2007-present, EDP Audit, Control, and Security (EDPACS)
2005-present, Journal of Computer Virology (occasional)
1987-present, IFIP TC-11 journal Computers and Security
2007-2011, MiniMetriCon Program Committee (and founding chair)
2010-2011, IEEE Security & Privacy, Beyond the Horizon (co-editor)
1995-2002, Network Security Magazine
1990-1993, ACM/SigSAC Annual Student Paper Review Board
1989-1991, DPMA, IEEE, and ACM Computer Virus and Security Conference

1989-1991, Computer Virus Bulletin

Honors and Awards:

2011: Honorary Doctorate (Honoris causa) Computer Science, University of Pretoria, South Africa
2011: International Information Systems Security Certification Consortium – Fellow of the (ISC)²
2004: Burton Group Best Award
2002: Sandia Certificate of Appreciation (CCD Program)
2002: Techno-Security Industry Professional of the Year
2001: Sandia Employee Recognition Award (College Cyber Defenders)
2000: Sandia Meritorious Achievement Award (Security Immersion Program)
2000: Sandia Award for Excellence (Cyber Security / Surety)
1999: Sandia Exceptional Service Award (Security Awareness Work)
1998: Sandia Exceptional Service Award (Red Team Work)
1989: UK IT Auditors: Information Technology Award

Professional Societies

Information Professionals Association – Founding lifetime member, 2017
International Information Systems Security Certification Consortium – Fellow of the (ISC)²
IEEE - Senior member

Books and Book Chapters not otherwise listed:

F. Cohen, "Protection and Engineering Design Issues in Critical Infrastructures", pp67-153 in Thomas A. Johnson Ed. "CyberSecurity – Protecting Critical Infrastructures from Cyber Attack and Cyber Warfare", 2015, CRC Press, ISBN 978-1-4822- 3922-5.
F. Cohen, "Challenges to Digital Forensic Evidence in the Cloud", in "Cybercrime and Cloud Forensics: Applications for Investigation Processes", K. Ruan, Ed. 978-1-4666-2662-1, 2013.
F. Cohen, "Digital Forensic Evidence Examination", ASP Press, 2nd ed., 2010, 3rd ed.. 2011, 4th ed, 2012
F. Cohen, "Fundamentals of Digital Forensic Evidence", (chapter in Handbook of Information and Communications Security, Springer, 2010, pp 789-808, Mark Stamp and Peter Stavroulakis, Ed.).
F. Cohen, "Digital Forensic Evidence Examination", ASP Press, 2009
F. Cohen, "Enterprise Information Protection Architecture", ASP Press, 2008
F. Cohen, "Challenges to Digital Forensic Evidence", ASP Press, 2008
F. Cohen, "A Framework for Deception", (chapter in National Security Issues in Science, Law, and Technology), Thomas A. Johnson, Ed. Taylor & Francis, 2007.
F. Cohen, "Critical Infrastructure Protection: Issues and Answers", (one chapter in National Security Issues in Science, Law, and Technology), Thomas A. Johnson, Ed. Taylor & Francis, 2007. (in press).
F. Cohen, "Information Warfare, Netwar, and Cyber Intelligence.", (chapter in National Security Issues in Science, Law, and Technology), Thomas A. Johnson, Ed. Taylor & Francis, 2007.
F. Cohen, "Challenges to Digital Forensic Evidence", (chapter in "Forensic Computer Crime Investigation", Thomas A. Johnson, Ed. Taylor & Francis, 2006
F. Cohen, "Security Decisions", ASP Press, 2006
F. Cohen, "IT Security Governance Guidebook with Security Program Metrics on CD-ROM." , Taylor & Francis/CRC Press, 2006
F. Cohen, "The Use of Deception Techniques: Honeypots and Decoys", (chapter in Handbook of Information Security), V3, p646. Wiley and Sons, 2006.
World War 3 ... Information Warfare Basics , ASP Press, 2006
Information Security Awareness Basics , ASP Press, 2006
Frauds, Spies, and Lies - and how to defeat them , ASP Press, 2005
The CISO ToolKit: Security Checklists - Governance , ASP Press, 2005
The CISO ToolKit: Security Metrics , ASP Press, 2005
The CISO ToolKit: Governance Guidebook , ASP Press, 2005
Protection and Security on the Information Superhighway , John Wiley and Sons (1995)

- F. Cohen, "It's Alive!!!", John Wiley and Sons (1994)
- F. Cohen, "A Short Course in Computer Viruses (2nd edition)", John Wiley and Sons (1994)
- F. Cohen, "A Short Course on Systems Administration and Security Under Unix", ASP Press, (1992)
- F. Cohen, "Payback - Automated Bill Collection System", ASP Press (1992)
- F. Cohen, "A Short Course in Computer Viruses", ASP Press (1991)
- F. Cohen, "The ASP Integrity Toolkit", ASP Press (1990)
- F. Cohen, "Introductory Information Protection", ASP Press (1987)
- F. Cohen, "Computer Viruses", ASP Press, (1985)

Patents:

- F. Cohen, "Detecting Inconsistencies in Data", (pending) 61/531,609
- F. Cohen, "Detecting Inconsistencies Consistent With Subversion of Normal Operations in an Operating Environment " (pending) 61/531,609
- F. Cohen, "Depiction of Digital Data for Forensic Purposes", (pending)
- F. Cohen, "Method and/or System for Providing and/or Analyzing and/or Presenting Decision Strategies", 60/957,455 (pending)
- F. Cohen, "Method and/or System for Providing and/or Analyzing Influence Strategies", US Pat. 8,095,492.
- F. Cohen, "Method and Apparatus for Invisible Network Responder" 20040148521 (pending) 20040162994 (pending)
- F. Cohen, "Method and Apparatus for Specifying Communication Indication Matching and/or Responses" 20040153574 (pending)
- F. Cohen, D Koike, V. Nagaev, "Method and Apparatus Providing Deception and/or Altered Operation in an Information System Operating System", US Pat. 7,437,766 10/679,186
- F. Cohen, "Method and Apparatus for Configurable Communication Network Defenses"
- F. Cohen, "Method and Apparatus for Network Deception/Emulation", US Pat. 7,107,347.
- F. Cohen, "Method and Apparatus for Providing Deception and/or Altered Execution of Logic in an Information System US Pat. 7,296,274.

Refereed journal articles:

- F. Cohen, M. Leverich, M. Whyte, E. Sengsavang, and G. Hurley , "Limited Consensus around ARM Information Protection Practices", Journal of the South African Society of Archivists, Vol 49 (2016).
- F. Cohen, "Digital diplomacy and forensics: Going forward on a global basis", Records Management Journal, 2015-03
- Cohen F, Cohen D, "Time and space interval record schedule consistency analysis for atomic items without interactions in open spaces with stationary locations", Computers & Security (2014), <http://dx.doi.org/10.1016/j.cose.2014.03.002>
- F. Cohen, "Identifying and Attributing Similar Traces with Greatest Common Factor Analysis", J. of Digital Forensics, Security, and Law, V7#2, 2012.
- F. Cohen, "A Case Study in Forensic Analysis of Control", Journal of Digital Forensics, Security, and Law., V6#1, 2011.
- F. Cohen, "A Method for Forensic Analysis of Control", IFIP TC11, Computers & Security, V29#8, pp 891-902, Nov., 2010, doi: 10.1016/j.cose.2010.05.003
- F. Cohen, et. al. "Leading Attackers Through Attack Graphs with Deceptions", IFIP-TC11, `Computers and Security', V22#5, July 2003, pp. 402-411(10)
- F. Cohen, et. al. "A Mathematical Structure of Simple Defensive Network Deceptions", IFIP-TC11, `Computers and Security', Volume 19, Number 6, 1 October 2000, pp. 520-528(9)
- Cohen F.; Phillips C.; Swiler L.P.; Gaylor T.; Leary P.; Rupley F.; Isler R., "A Cause and Effect Model of Attacks on Information Systems. Some Analysis Based on That Model, and The Application of that Model for CyberWarfare in CID", IFIP-TC11 Computers and Security, V17#3, 1998 pp. 211-221 (11)
- F. Cohen, "Providing for Responsibility in a Global Information Infrastructure ", IFIP-TC11,

`Computers and Security', 1997.

F. Cohen, "Simulating Cyber Attacks, Defenses, and Consequences", IFIP-TC11, `Computers and Security', 1999, vol. 18, no. 6, pp. 479-518(40)

F. Cohen, et. al. "Intrusion Detection and Response", IFIP-TC11, `Computers and Security', V16,#6, 1997, pp. 516-516(1) (also appearing below under National Info-Sec Technical Baseline studies from Dec, 1996)

F. Cohen, "A Note on the Role of Deception in Information Protection", IFIP-TC11, Computers and Security, 1998, vol. 17, no. 6, pp. 483-506(24)

F. Cohen, "Information System Defences: A Preliminary Classification Scheme", IFIP TC-11, Computers and Security, V16,#2, 1997, pp. 94-114(21)

F. Cohen, "A Note on Distributed Coordinated Attacks", IFIP-TC11, `Computers and Security', Volume 15, Number 2, 1996, pp. 103-121(19), also appearing as an invited paper in 4th Computer Misuse and Anomaly Detection Workshop, Monterey, 1996 (referenced below).

F. Cohen, "A Secure World-Wide-Web daemon", IFIP-TC11, `Computers and Security', V15#8, 1996, pp. 707-724(18)

F. Cohen, "Operating Systems Protection Through Program Evolution", IFIP-TC11 `Computers and Security' (1993) V12#6 (Oct. 1993) pp.565 - 584

J. Voas, J. Payne, F. Cohen "A Model for Detecting the Existence of Software Corruption in Real-Time", IFIP-TC11 "Computers and Security", V12#3 May, 1993 pp. 275-283.

F. Cohen, "A Formal Definition of Computer Worms and Some Related Results", IFIP-TC11 "Computers and Security" V11#7, November, 1992, pp. 641-652.

F. Cohen, "Defense-In-Depth Against Computer Viruses", IFIP-TC11 "Computers and Security", V11#6, 1992 pp. 563-579.

F. Cohen, "A DOS Based POset Implementation", IFIP-TC11 "Computers and Security", V10#6, October 1991.

F. Cohen, "A Note On High Integrity PC Bootstrapping", IFIP-TC11 "Computers and Security", V10#6, October 1991.

F. Cohen, "A Cost Analysis of Typical Computer Viruses and Defenses", IFIP-TC11 "Computers and Security", V10#3, May, 1991 (also appearing in 4th DPMA, IEEE, ACM Computer Virus and Security Conference, 1991)

F. Cohen, "Automated Integrity Maintenance for Viral Defense", IFIP-TC11 "Computers and Security", 1990

F. Cohen, "Computational Aspects of Computer Viruses", IFIP-TC11, "Computers and Security", V8 pp325-344, 1989.

Y. J. Huang and F. Cohen, "Some Weak Points of One Fast Cryptographic Checksum Algorithm and its Improvement", IFIP-TC11 "Computers and Security", V8#1, February, 1989

B. Cohen and F. Cohen, "Error Prevention at a Radon Measurement Service Laboratory", Radiation Protection Management, V6#1, pp43-47, Jan. 1989

F. Cohen, "Models of Practical Defenses Against Computer Viruses", IFIP-TC11, "Computers and Security", V8#2, April, 1989 pp149-160.

F. Cohen, "Two Secure Network File Servers", IFIP-TC11, "Computers and Security", V7#4, August, 1988.

F. Cohen, "Designing Provably Correct Information Networks with Digital Diodes", IFIP-TC11, "Computers and Security", V7#3, June, 1988.

F. Cohen, "On the Implications of Computer Viruses and Methods of Defense", Invited Paper, IFIP-TC11, "Computers and Security", V7#2, April, 1988,

F. Cohen, "Maintaining a Poor Person's Information Integrity", IFIP-TC11, "Computers and Security", V7#1, Feb 1988.

F. Cohen, "A Cryptographic Checksum for Integrity Protection", IFIP-TC11 "Computers and Security", V6#6 (Dec. 1987), pp 505-810.

F. Cohen, "Design and Protection of an Information Network Under a Partial Ordering: A Case Study", IFIP-TC11, "Computers and Security", V6#4 (Aug. 1987) pp 332-338.

F. Cohen, "Design and Administration of Distributed and Hierarchical Information Networks Under

- Partial Orderings", IFIP-TC11, "Computers and Security", V6#3 (June 1987), pp 219-228.
- F. Cohen, "Protection and Administration of Information Networks with Partial Orderings", IFIP-TC11, "Computers and Security", V6#2 (April 1987) pp 118-128.
- F. Cohen, "Computer Viruses - Theory and Experiments", DOD/NBS 7th Conference on Computer Security, originally appearing in IFIP-sec 84, also appearing as invited paper in IFIP-TC11, "Computers and Security", V6#1 (Jan. 1987), pp 22-35 and other publications in several languages.
- F. Cohen, "A Secure Computer Network Design", IFIP-TC11, "Computers and Security", V4#3, (Sept. 1985), pp 189-205, also appearing in AFCEA Symp. and Expo. on Physical and Electronic Security, Aug. 1985.
- F. Cohen, "Algorithmic Authentication of Identification", Information Age, V7#1 (Jan. 1985), pp 35-41.

Invited Papers and Keynotes with Published Papers:

- F. Cohen, "The Future of Digital Forensics" - 2012-09-21. 1st Chinese Conference on Digital Forensics, Keynote Address and Paper.
- F. Cohen, "What Makes Critical Infrastructures Critical?", International Journal of Critical Infrastructure Protection(2010), doi: 10.1016/j.ijcip.2010.06.002.
- F. Cohen, "The Smarter Grid", IEEE Security and Privacy - On the Horizon, 2010, V8#1, January/February, 2010.
- F. Cohen, "Toward a Science of Digital Forensic Evidence Examination", IFIP TC11.8 International Conference on Digital Forensics", Hong Kong, China, Jan 4, 2010 (Keynote), Published in Advances in Digital Forensics VI, pp17-36, Springer, ISBN#3-642-15505-7, 2010.
- F. Cohen, "The past and future history of computer viruses", EICAR annual conference, Berlin, Germany, May 11-12, 2009.
- F. Cohen, "30 Lies About Secure Electronic Commerce: The Truth Exposed", Institute for International Research Electronic Commerce Conference, Feb. 1999.
- F. Cohen, Cynthia Phillips, Laura Painton Swiler, Timothy Gaylor, Patricia Leary, Fran Rupley, Richard Isler, and Eli Dart "A Preliminary Classification Scheme for Information System Threats, Attacks, and Defenses; A Cause and Effect Model; and Some Analysis Based on That Model", Encyclopedia of Computer Science, 1999.
- F. Cohen, "National Info-Sec Technical Baseline - Intrusion Detection and Response" National InfoSec Research Council, Dec, 1996. (also appearing above in Computers and Security, 1997).
- F. Cohen, "A Note on Distributed Coordinated Attacks", 4th Computer Misuse and Anomaly Detection Workshop, Monterey, 1996 (also appearing above in Computers and Security, 1996).
- F. Cohen, "The Internet, ..., and Information Security", Computer Society of South Africa, 7th Annual Conference, August, 1995, South Africa.
- F. Cohen, "The Internet, Corporate Networks, and Firewalls", Computer Society of South Africa, 7th Annual Conference, August, 1995, South Africa.
- F. Cohen, "Information Assurance", IFIP TC-11 World Congress, May, 1995, Cape Town, South Africa.
- F. Cohen, "Information Warfare Considerations", Norwegian Academy of Sciences, September, 1993.
- F. Cohen, "Computer Viruses", (one chapter in "The Computer Security Reference Book", Butterworth/Heinemann, Oxford, England, 2004.
- F. Cohen, "Fault Tolerant Software for Computer Virus Defense", November, 1991.
- F. Cohen, "Some Applications of Benevolent Viruses in Networked Computing Environments", `DPMA, IEEE, ACM Computer Virus and Security Conference', March 1993
- F. Cohen and S. Mishra, "Some Initial Results From the QUT Virus Research Network", `The Virus Bulletin Conference', Edinburgh, Scotland, July, 1992 (keynote).
- F. Cohen, "Computer Viruses", (one chapter in "The Computer Security Reference Book" Butterworth/Heinemann (1992), Oxford, England
- F. Cohen, "Current Trends in Computer Viruses", Invited Paper, International Symposium on

Information Security, Oct. 17-18, 1991, Tokyo, Japan
F. Cohen, "Current Best Practice Against Computer Viruses", Invited Paper, 1991, 25th IEEE International Carnahan Conference on Security Technology, Oct. 1-3, 1991, Taiwan ROC.
F. Cohen, "Exploiting Defense-In-Depth Against Computer Viruses", Invited Paper, The Oxbridge Sessions, Sept. 3-5, 1991, The Netherlands.
F. Cohen, "Computers Under Attack" (one paper), ACM/Addison Wesley (1990)
F. Cohen, "A Summary of Results on Computer Viruses and Defenses", Invited Paper, 1990 NIST/DOD Conference on Computer Security.
F. Cohen, "Integrity Maintenance in Untrusted Computing Environments", Invited Paper, IBC Computer Virus Conference, London, 1990.
F. Cohen, "Information Systems as a Competitive Weapon", Keynote Address, Utah State School of Business, Annual Computer Conference, March 1-2, 1990.
F. Cohen, "Recent Advances in Integrity Maintenance in Untrusted Systems", Invited Paper, The Netherlands Computer Security Seminar, April 10-12, 1990.
F. Cohen, "A Note on the use of Pattern Matching in Computer Virus Detection", Invited Paper, Computer Security Conference, London, England, Oct 11-13, 1989, also appearing in DPMA, IEEE, ACM Computer Virus Clinic, 1990.
F. Cohen, "Computer Viruses - Attacks and Defensive Measures", London Corporate Computer Security Conference - Keynote Address, London, England, Feb. 14, 1989.
F. Cohen, "Current Trends in Computer Virus Research", 2nd Annual Invited Symp. on Computer Viruses - Keynote Address, Oct. 10, 1988. New York, NY
F. Cohen, "Recovery Techniques in Computer Virus Attack", Invited Paper, Invitational Conference on Computer Viruses, 1988.

Peer Reviewed Conference and Other Papers:

F. Cohen, "A Tale of Two Traces - Archives, Diplomats, and Digital Forensic", IFIP Tenth annual IFIP WG 11.9 International Conference on Digital Forensics, 2015-01-26-8, also to be published as a chapter in in "Advances in Digital Forensics X".
F. Cohen, "As the consequences rise, where is the risk management?", EDPACS: The EDP Audit, Control, and Security Newsletter, V41# 4, (2013), DOI:10.1080/07366981.2013.775779, reprint from analyst report.
F. Cohen, "The Bottom Ten List—Information Security Worst Practices", EDPACS: The EDP Audit, Control, and Security Newsletter, V41#1, (2012), DOI:10.1080/07366981003634460, reprint from analyst report.
F. Cohen, "F. Cohen, "The Physics of Digital Information – Part 2", JDFSL v7#1", July, 2012 (editorial column)
F. Cohen, "Forensic Methods for Detecting Insider Turning Behaviors", IEEE Workshop on Research for Insider Threat, 2012-05-25, with the IEEE Oakland Conference, IEEE Computer Society Press.
F. Cohen, "Update on the State of the Science of Digital Evidence Examination", Conference on Digital Forensics, Security, and Law, May 29-31, 2012 – pending publication.
F. Cohen, "Consistency under deception implies integrity", ICSJWG Quarterly Newsletter. Republished from 2011-09 Short Analyst Reports.
F. Cohen, "F. Cohen, "The Physics of Digital Information", Journal of Digital Forensics, Security, and Law, V6#3, October, 2011 (editorial column)
F. Cohen, "Progress and evolution of critical infrastructure protection over the last 10 years?", The CIP Report, Center for Infrastructure Protection and Homeland Security, V10#3, 2011-09, Republished from 2011-08 Short Analyst Reports.
F. Cohen, "Putting the Science in Digital Forensics" Journal of Digital Forensics, Security, and Law, V6#1, July, 2011 (editorial column)
F. Cohen, "How Do We Measure Security?", Insight, V14#2, 2011-07, pp 30-32, International Council on Systems Engineering.
F. Cohen, "Change your passwords how often?", EDPACS 44(4), April, 2010. (Reprinted from

Analyst Newsletter)

F. Cohen, J. Lowrie, C. Preston, "The State of the Science of Digital Evidence Examination", IFIP Seventh annual IFIP WG 11.9 International Conference on Digital Forensics, 2011/01/30, also published as a chapter in "Advances in Digital Forensics VII".

F. Cohen, "Digital Forensic Evidence Examination - The State of the Science - and Where to Go From Here", NeFX Workshop, Sep 14, 2010.

F. Cohen, "Fonts for Forensics", IEEE SADFE (in conjunction with the IEEE Oakland Conference), 2010-05-19, Oakland, CA.

F. Cohen, "The Bottom Ten List - Information Security Worst Practices", EDPACS 41(1), January, 2010. (Reprinted from Analyst Newsletter)

F. Cohen, "Attribution of messages to sources in digital forensics cases", HICSS-43, Jan 7, 2010.

F. Cohen, "Analysis of redundant traces for consistency", IEEE International Workshop on Computer Forensics in Software Engineering (CFSE 09), Seattle, Washington, USA, July 20-24, 2009

F. Cohen, "Two models of digital forensic examination", IEEE SADFE (in conjunction with the IEEE Oakland Conference), 2009-05-21, Oakland, CA

F. Cohen, "Issues and a case study in bulk email forensics", Fifth annual IFIP WG 11.9 International Conference on Digital Forensics, 2009/01/27, published as "Bulk Email Forensics" in the conference publication.

F. Cohen and T. Johnson, "A Ph.D. Curriculum for Digital Forensics", HICSS-42, Jan 7, 2009.

F. Cohen, "Information Assurance Architectural Models", HICSS-42 Product and Process Assurance Symposium Position Paper, Jan 5, 2009,

F. Cohen, "Social tension and separation of duties", EDPACS 38(5) (2009). (Reprinted from Analyst Newsletter).

F. Cohen, "Control Requirements for Control Systems... Matching Surety to Risk", EDPACS, 2008

F. Cohen, "Making Compliance Simple – Not", EDPACS, March 2008, V37#3. (Reprinted from Analyst Newsletter)

F. Cohen and C. Preston, "A Method for Recovering Data From Failing Floppy Disks with a Practical Example", Fourth annual IFIP WG 11.9 International Conference on Digital Forensics, 2008/01/27 to 30. Published in "Advances in Digital Forensics IV", Springer, ISBN 978-0-387-84926-3, pp29-42, 2008.

F. Cohen, "Fault Modeling and Root Cause Analysis for Information Security Governance", Computers and Security, 2007.

Cohen, "A Note on Detecting Tampering with Audit Trails", 1995. Available at <http://all.net/books/audit/audmod.html>

F. Cohen and D. Koike, "Misleading attackers with deception", Information Assurance Workshop, 2004. Proceedings from the Fifth Annual IEEE SMC Publication Date: 10-11 June 2004: pp. 30- 37

F. Cohen, "Airbag Inflator Inspection System", LumenX Corporation, November, 1994.

F. Cohen, R. Knecht, C. Preston, et. al., "Planning Considerations for Defensive Information Warfare - Information Assurance", Contract DCA 100-90-C-0058 T.O. 90-SAIC-019, November, 1993.

F. Cohen, "Threats and Defenses for WCCS", US Air Force, Wing Command and Control System, August, 1993.

F. Cohen, "Information Warfare Considerations", National Academy of Sciences - National Research Council, September, 1993.

F. Cohen, "A Case for Benevolent Viruses" DPMA, IEEE, ACM Computer Virus and Security Conference, March 1992

F. Cohen, "Current Best Practice Against Computer Viruses with Examples from the DOS Operating System", DPMA, IEEE, ACM Computer Virus and Security Conference, March 1992

F. Cohen, "A Roving Emulator", Conference on Modeling and Simulation, April, 1987.

F. Cohen, "Information Protection", Curriculum Module for the graduate degree in Software Engineering, The Software Engineering Institute, June, 1986, also appearing in ACM SIGSAC in abbreviated form.

F. Cohen, "A Complexity Based Integrity Maintenance Mechanism", Conference on Information Sciences and Systems, Princeton University, March 1986.
F. Cohen, "Recent Results in Computer Viruses", Conference on Information Sciences and Systems, Johns Hopkins University, March 1985.
F. Cohen, "The HAD Cryptosystem", IACR Crypto84 rump session, Aug. 1984.
F. Cohen, "Computer Security Methods and Systems", Conference on Information Sciences and Systems, Princeton University, March 1984.
F. Cohen, "Learning Networks for Database Access", Yale Conference on Adaptive Systems Theory, New Haven, CT, June, 1983.
M.A. Breuer, F. Cohen, and A.A. Ismaeel, "Roving Emulation", Built-In Self-Test Conference, March 1983.
F. Cohen, "The Delta-Net Model of Computation", Conference on Information Sciences and Systems, Johns Hopkins University, March 1983.
F. Cohen, "The U.S.C. Roving Emulator", U.S.C. DISC Report #82-8, Dept of Electrical Engineering, University Park, LA, Ca. 90089-0781, Dec. 1982.
M.A. Breuer, F. Cohen, A.A. Ismaeel, "Roving Emulation as Applied to a (255,223) RS-encoder System", U.S.C. DISC Report #82-6, Dec. 1982.

Angel to Exit Articles

2016-02: Angel to Exit
2016-03: Back of the envelope
2016-04: The scales of time
2016-05: Camero felony stop
2016-06: The Buzz-i-ness
2016-07: Fiercely Independent
2016-08: Defense
2016-09: "Yes!"
2016-10: "No!"
2016-11: But I am right!
2016-12: Reading and writing carefully
2017-01: Focus
2017-02: Exaggeration vs approximation
2017-03: The domino effect
2017-04: Impatience
2017-05: Paperwork
2017-06: Advisory Boards - Fair Compensation?
2017-07: Equitable distribution
2017-08: Holding Companies
2017-09: Fail Fast - Please!
2017-10: The cost of capital
2017-11: The pace of progress
2017-12: The meeting ... a.k.a. the ambush
2018-01: Autopsies from 2017
2018-02: Over-reacting
2018-03: Matching funds and burning out the risk in a round
2018-04: Sell your way out of it
2018-05: What I Learned From Building and Exiting 2 Companies - by Snehal Patel with permission
2018-06: Why didn't you come to me sooner?
2018-07: Every entity is not a Delaware C Corporation
2018-08: Exits
2018-09: Increase Customer Engagement
2018-10: The Definition of a Startup

2018-11: Boot Camp
2018-12: Who's the hero?
2019-01: Lessons learned 2018?
2019-02: Following up
2019-03: Sex and the successful entrepreneur
2019-04: I need to invest in something!
2019-05: On the edge of the hockey stick
2019-06: How many hours are in the day?
2019-07: Dealing with professionals
2019-08: Cash Flow Break Even When?
2019-09: Measuring your company to help grow it
2019-10: I'll use social media to grow - at almost no cost!
2019-11: You invested how much based on what plan?!?!
2019-12: The 3 things you need to do to get funded
2020-01: I'm not dragging you through a sale!
2020-02: Classes of Stock and Preferences
2020-03: How does this dilution thing work exactly?
2020-04: Thriving in tough economic times

TechVision Research Reports:

F. Cohen, "How do we accelerate innovation in a culture of risk aversion", 2016-12
F. Cohen, "The Future of Information Sharing and Cybersecurity", 2016-08
F. Cohen, "Enterprise Information Protection", 2016-03.

Burton Group Reports:

F. Cohen, "Outsourcing, Offshoring, and Security: What's the Difference?" 28 Jun 2006
F. Cohen, "IT Risk Management and COSO" 24 May 2006
F. Cohen, "Defending Against the Evil Insider" 16 Nov 2005
F. Cohen, "Raising the Bar: Solving Medium-Risk Problems with Medium-Surety Solutions" 27 Sep 2005
P. Schacter and F. Cohen, "Enterprise Strategies for Defending Against Spyware" 23 Aug 2005
F. Cohen, "Security Metrics: Horses for Courses" 24 Jun 2005
F. Cohen, "Security Governance for the Enterprise" 31 Mar 2005
F. Cohen, "Business Continuity Planning for IT" 24 Mar 2005
D. Blum and F. Cohen, "A Systematic, Comprehensive Approach to Information Security" 24 Feb 2005
F. Cohen, "Security Awareness, Training, and Education Programs for the Enterprise" 17 Jan 2005
F. Cohen, "Change Management for the Enterprise" 17 Jan 2005
D. Blum and F. Cohen, "Concepts and Definitions" 17 Jan 2005
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Revolutionary Armed Forces of Colombia (FARC) - 2000
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Issues in Cyber-Terrorism – 2000

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2020-04B - Cyberspace vs. COVID-19 - The Farce Awakens
2020-04 - Keeping your cyber security program exciting!
2020-03F - Cyberspace vs. COVID-19 - Cyberspace takes the offensive
2020-03E - How to save the economy and the people - stimulus that actually works
2020-03D - Live Online Remote - Work from home - the 37 things you absolutely must know
2020-03C - Cyberspace vs. the COVID-19 - UPDATED 2020-03-14
2020-03C - Cyberspace vs. the COVID-19 - Shelter in place - out of an ?abundance? of caution
2020-03B - Cyberspace vs. the COVID-19 - Campaigning with COVID - the CyberWar of 2020 grows
2020-03 - In anticipation of litigation
2020-02 - Law Journal interview with Fred Cohen
2020-02B - Cyberspace vs. the Coronavirus - saving hundreds of millions of lives
2020-02 - Cyber Security Stories - Episode 1
2020-02 - The Evidence Please!
2020-01 - I've been Hacked! What do I do?
2019-12 - Three Little Words
2019-11 - Safety better win!
2019-10 - How to not be fired in 18 months
2019-09-26 - Whistleblower Report Released - Audio reading
2019-09 - Programs we should not allow
2019-08 - Powerful Security
2019-07 - Claims v. Reality in Cyber Security Sales
2019-06 - Countering Russian propaganda in social media - one person at a time
2019-05 - Security Inventory
2019-04-18 - The Mueller Report
2019-04 - Escalating and de-escalating incident response
2019-03B - What's new at the RSA? Nothing (almost)
2019-03 - Deprecating the use of social media by terrorist group for recruiting and grooming
2019-02 - Dealing with deep fakes
2019-01 - Every 15-20 years I do an update
2018-12 - Cyber Security Intelligence
2018-11 - It's a race, and I just said "Go!"
2018-10 - The cyber security brain
2018-09 - Duty to Protect
2018-08 - The story behind the story behind the story of Aurora
2018-07B - White Paper: The Pathfinder Approach to Cyber Security
2018-07 - The basis for trust
2018-06 - It's how you use it that counts - and GDPR
2018-05 - 50 Ways to defeat your blockchain / distributed ledger / cryptocurrency system
2018-04 - Countering the "natural" spread of deceptive social media memes
2018-03 - Let's all go to 10-factor
2018-02 - How cyber-security punishes good behavior
2018-01 - While you were distracted
2017-12 - Two wrongs don't make a right - but 3 lefts do!
2017-11 - If porn and drugs cannot help we are all in big trouble
2017-10 - Supply chain and change control - how to get your Trojan to millions without viruses
2017-09 - At some point you just have to stand for something
2017-08 - Strategy v. Tactics - Cybersecurity is still tactical response focused

2017-07 - Provide for the Common Defense
2017-06-12: Kennedy Space Center: Cyber Warfare - the BIG picture
2017-06 - Change your password - Doe Si Done!
2017-05 - Why do they think they can just break the law?
2017-04 - Analysis or Advertising?
2017-03 - Defeating propaganda in the public media
2017-02 - The end of biometrics
2017-01 - A year of living well
2016-12 - Not Pearl Harbor - the boiling frog
2016-11 - Information Sharing - The end of cybersecurity?
2016-10B: CyberWar Intensification
2016-10: CyberSpace - The Final ...
2016-09: If I made disk drives
2016-08-29: HTCIA Keynote: FBI v. Apple - The Equities Issue (Slides)
2016-08C: Asking too much - a lie for a lie
2016-08B: Crimes against the environment
2016-08: Provenance
2016-07: How deep is the problem?
2016-06B: I stand corrected - security can still get stupider
2016-06: Enough with the technical security stuff
2016-05: Stupid security getting stupider still - and falling into denial
2016-04: Misimpressions by decision-makers (with update at the end)
2016-03B: RSA - What's new in cybersecurity?
2016-03: Equities: FBI v. Apple
2016-02B: How secure is your data center and how can you tell?
2016-02: How long does it take before people act responsibly? Hint: Forever!
2016-01: Alternatives to encryption for securing open channels
2015-12: Countering mass propaganda and surveillance in the "war on terrorism"
2015-11: We're missing the boat on legal controls over network traffic
2015-10: Send me the Snowden docs
2015-09: Why can't we make any of the systems we use secure from remote attack?
2015-08: Who's to blame?
2015-07: The greatest strategic blunder of all time?
2015-06: Reducing the effects of malicious insiders non-technologically
2015-05: Iran(t) on merchantability for software
2015-04: Fishing and phishing
2015-03 B: Error-induced misoperation - rowhammer
2015-03 Temporal microzones and end-user workstations
2015-02 Input checking
2015-01 The year of the Trojans (and their unintended side effects)
2014-12 Stupid security getting even stupider
2014-11-B Eat your own dog food deal about big data loss (actually theft)?
2014-10 Cyber (whatever that is) insurance yet again?
2014-09 2-factor this into your thinking
2014-08-B A touch of the Ebola
2014-08 Aurora and why it doesn't really matter
2014-07 Encrypt it all!!!
2014-06 Is it secure?
2014-05 May Day - attack mechanisms revisited - were you surprised by the NSA's activities?
2014-04 The RSA: Science Fiction and Humor
2014-03-B The Snowden virus - disrupting the secret world by exploiting their policies
2014-03 The four tactical situations of cyber conflict
2014-02 Countering hardware storage device Trojans

2014-01-B After the Red Team
2014-01 Why we need better reporters to solve our security problems
2013-12 Return of the telnet return
2013-11-B Transparency - a different protection objective
2013-11 Demystifying control architecture
2013-10-B The "big deal" approach to risk management
2013-10 Trust and worthiness
2013-09 The surveillance society: pros, cons, alternatives, and my view.
2013-08 50 Ways to respond to "Computer Repair..."
2013-08 Three words you should never use in security and risk management
2013-07-B How to justify (security) metrics and what to measure
2013-07 Mobility and industrial control systems
2013-06 Separation of Duties and RFPs
2013-05-B The harder problems
2013-05 Write lock the past, access control the present, anticipate the future
2013-04-B Actionable metrics (Guest Editor)
2013-04 Managing Oops
2013-03-C Limiting Insider Effects Through Micro-Zoning
2013-03-B Welcome to the Information Age - a 1-page primer
2013-03 Security Heroes
2013-02-B Stupid Security Winner for 2012
2013-02 Thinking more clearly
2013-01 Raising all boats - by improving the average
2012-12 Enterprise Security Architecture Options and Basis
2012-12 Ten Bad Assumptions
2012-11 The Design Basis Threat
2012-10 Changing the leverage
2012-10 Industrial Control System Security Decisions and Architecture
2012-09 Eventually, you are going to make a mistake
2012-08 As the consequences rise, where is the risk management?
2012-07-01B The Facebook debacle and what it says about the other providers
2012-07-01 - Open CyberWar - Early Release
2012-06-01 - Question everything
2012-05-01 - The threat reduction approach - Point – Counterpoint
2012-04-01 - The insider turned bad
2012-03-01 - Three emerging technologies
2012-02-01 - Ethics in security research
2012-01-31 - Influence Operations
2012-01-01 - The security squeeze
2011-12-01 - Can we attribute authorship or human characteristics by automated inspection?
2011-11-03 - Saving SMBs from data leakage
2011-11-01 - Webification and Authentication Insanity
2011-10-01 - Consistency Under Deception Implies Integrity - ICSJWG version
2011-10-01 - Security vs. Convenience - The Cloud - Mobile Devices - and Synchronization
2011-09-11 - CIP version of "Progress and evolution of critical infrastructure protection over the last 10 years?"
2011-09 - Consistency under deception implies integrity
2011-08 - Progress and evolution of critical infrastructure protection over the last 10 years?
2011-07 - The structure of risk and reward
2011-06 - Security Metrics - A Matter of Type
2011-05 - The "R" word
2011-04 - Change your passwords how often?
2011-03 - Any is not All

2011-02 - Why are we so concerned about governments getting our data?
2011-01b - The Bottom Ten List - Information Security Worst Practices - Getting Even Worse
2011-01 - Risk aggregation - again and again and again...
2010-12b - Code book cryptography may be nearly dead
2010-12 - Changes to the Federal Rules of Evidence - Rule 26
2010-11 - How do we measure "security"?
2010-10 - Moving target defenses with and without cover deception
2010-09 - User Platform Selection Revisited
2010-08 - The DMCA Still Restricts Forensics
2010-07 - Mediated Investigative Electronic Discovery
2010-06 - The difference between responsibility and control
2010-05 - The Virtualization Solution
2010-04 - Attacks on information systems - a bedtime story
2010-03 - The attacker only has to be right once - another information protection fallacy
2010-02b - Another ridiculous cyber warfare game to scare deciders into action
2010-02 - Developing the science of information protection
2010-01 - The Bottom Ten List - Information Security Worst Practices
2009-12-B - COFEE and the state of digital forensics
2009-12 - Using the right words
2009-11 - Passwords again - why we can't leave well enough alone
2009-10 - Partitioning and virtualization - a strategic approach
2009-09 - Forensics: The limits of my tools, my techniques, and myself
2009-08 - Virtualization and the cloud - Risks and Rewards
2009-07 - The speed of light, it's easy to forge, email is always fast, and more
2009-06 - Security Decisions: Deception - When and where to use it
2009-05-B - Culture clash: Cloud computing and digital forensics
2009-05 - Protection testing: What protection testing should we do?
2009-04-B - Proposed Cyber-Security Law: What's the problem?
2009-04 - Risk management: There are no black swans
2009-03 - How spam vigilantes are wrecking email and encourage violations of law
2009-02-B Digital forensics must come of age
2009-02 - A structure for addressing digital forensics
2009-01 - Change management: How should I handle it?
2008-12-B - Short Note: Twittering away your privacy
2008-12 - Digital Forensic Evidence: A Wave Starting to Break
2008-11 - Security Decision: Zoning your network
2008-10 - Social tension and separation of duties
2008-09 - Default deny is best practice? Not anymore!
2008-08 - Control architecture: Access controls
2008-07 - Fault modeling, the scientific method, and thinking out of the box
2008-06 - Inventory Revisited - How to reduce security losses by 70%?
2008-05 - Control Requirements for Control Systems... Matching Surety to Risk
2008-04 - The Botnets have come - The Botnets have come...
2008-03 - Enterprise Information Protection - It's About the Business
2008-02 - The Digital Forensics World
2008-02 - Who Should Do Your Digital Forensics?
2008-01 - Unintended Consequences
2008-01 - Accidental Security
2007-12 - Security, justice, and the future
2007-12 - Security End-of-year
2007-11 - Security by Psychology
2007-11 - Covert Awareness
2007-10 - Making compliance simple - not

2007-10 - Measuring Compliance
2007-09 - Identity Assurance and Risk Aggregation
2007-09 - Identity Assurance
2007-08 - The ethical challenge
2007-08 - Conflicts of Interest
2007-07 - Security Decision Support
2007-07 - Making Better Security Decisions
2007-06 - User platform selection
2007-06 - Which User Platform
2007-05 - Risk Management
2007-05 - Managing Risks
2007-04 - Security Ethics and the Professional Societies
2007-04 - Information Content Inventory
2007-03 - Emerging Risk Management Space
2007-03 - Sensible Security - You Wouldn't?
2007-02 - Emerging Market Presence
2007-02 - Measuring Security
2007-01 - Market Maturity and Adoption Analysis Summary
2007-01 - Closing the Gap
2007-00 - Analysis Framework
2006-12 - The Security Schedule
2006-11 - The Holidays Bring the Fraudsters
2006-10 - Physical/Logical Convergence??
2006-09 - How can I Show I am Me in Email?
2006-08 - Service Oriented Architecture Security Elements
2006-07 - The Life Expectancy of Defenses
2006-07 - BONUS ISSUE: The End of the World as we Know it
2006-06 - Why the CISO should work for the CEO - Three Case Studies

Angel to Exit Complimentary Articles:

2016-02: Angel to Exit
2016-03: Back of the envelope
2016-04: The scales of time
2016-05: Camero felony stop
2016-06: The Buzz-i-ness
2016-07: Fiercely Independent
2016-08: Defense
2016-09: "Yes!"
2016-10: "No!"
2016-11: But I am right!
2016-12: Reading and writing carefully
2017-01: Focus
2017-02: Exaggeration vs approximation
2017-03: The domino effect
2017-04: Impatience
2017-05: Paperwork
2017-06: Advisory Boards - Fair Compensation?
2017-07: Equitable distribution
2017-08: Holding Companies
2017-09: Fail Fast - Please!
2017-10: The cost of capital
2017-11: The pace of progress
2017-12: The meeting ... a.k.a. the ambush
2018-01: Autopsies from 2017

2018-02: Over-reacting
2018-03: Matching funds and burning out the risk in a round
2018-04: Sell your way out of it
2018-06: Why didn't you come to me sooner?
2018-07: Every entity is not a Delaware C Corporation
2018-08: Exits
2018-09: Increase Customer Engagement
2018-10: The Definition of a Startup
2018-11: Boot Camp
2018-12: Who's the hero?
2019-01: Lessons learned 2018?
2019-02: Following up
2019-03: Sex and the successful entrepreneur
2019-04: I need to invest in something!
2019-05: On the edge of the hockey stick
2019-06: How many hours are in the day?
2019-07: Dealing with professionals

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F. Cohen, "Managing Network Security" Oct., 2002 - Reworking Your Firewalls
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- F. Cohen - DiliVer FinTech M&A Advanced Laboratory Environment 2019
- F. Cohen - iZen CyberLabs 2018
- F. Cohen - Park University CyberLabs 2018
- F. Cohen - Cash Flow Simulator (Web version) 2017
- F. Cohen - Gigs (Web version), 2016
- F. Cohen - JDM (Web version), 2015
- F. Cohen - Webster University Cyber Labs, 2014
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- F. Cohen - Decider, 2007
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- F. Cohen - Security Decisions, 2006
- F. Cohen - Surveyor, 2006
- F. Cohen - Influence, 2006
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- F. Cohen, 2002 - Responder - large-scale network deception system
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- F. Cohen, Darrian Hale, et. al., 2002 - Resilience - Resilient network infrastructure
- F. Cohen, Anthony Carathemus, et. al. 2001 - Secure DNS Server
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- F. Cohen, 1995 - Auditor - Internal Audit Tool
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- F. Cohen, 1995 - Secure Gopher Server - provably secure gopher server
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- F. Cohen, 1989 - Integrity ToolKit - Integrity Shell and Access Control System
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- F. Cohen, 1987 - Advanced Software Protection - Crypto-Checksum Integrity Checker
- F. Cohen, 1987 - TRP - Small business office software
- F. Cohen, 1986 - VCE - Viral Computing Environment
- F. Cohen, 1985 - Legal Assistant - Law Office Software