
Cyber Security Bibliography

Madison
Policy
Forum



Corporate Security

- *Applied Research Agenda for Confronting Global Identity Management Challenges* – May 1, 2009
 - Priority: Foundational/Must Read
 - Company/Organization: CAMIR Identity Management Research Agenda Workshop
 - Media Type: Research Journal/Report
 - URL: http://caimr.indiana.edu/documents/20090507_caimr_researchagenda.pdf
 - Description: Report addresses identity management and cyber technology/security

- *Computer Security: Art and Science* – Matt Bishop – December 12, 2002
 - Priority: Foundational/Must Read
 - Media Type: Book
 - URL: http://www.amazon.com/Computer-Security-Science-Matt-Bishop/dp/0201440997/ref=sr_1_1?ie=UTF8&s=books&qid=1256584786&sr=8-1
 - Description: Bishop provides a monumental reference for the theory and practice of computer security. This is a textbook intended for use at the advanced undergraduate and introductory graduate levels, non-University training courses, as well as reference and self-study for security professionals.

- *Course 6.857: Network and Computer Security* – Professor Ronald Rivest – Fall Semester, 2003
 - Priority: Foundational/Must Read
 - Company/Organization: MIT OpenCourseware
 - Media Type: Online
 - URL: <http://ocw.mit.edu/OcwWeb/Electrical-Engineering-and-Computer-Science/6-857Fall2003/CourseHome/index.htm>
 - Description: This is a graduate-level course in network and computer security. It covers a wide range of topics including multi-user computer systems, authentication, viruses, secure operating systems, software protection, firewalls, electronic commerce, electronic cash, and risk assessment among others. Contains comprehensive course materials and reading list.

- *Cyber-ark; Global IT Security Survey Finds insider Snooping on the Rise* – August 24, 2009
 - Priority: Cutting Edge/Recent Development
 - Company/Organization: Financial Times
 - Media Type: Magazine/Periodical
 - URL: http://www.ft.com/cms/s/0/0e964e10-9046-11de-bc59-00144feabdc0.html?nclick_check=1

- *Cybercrime Against Businesses* – Ramona Rantala – 2001
 - Priority: Foundational/Must Read
 - Company/Organization: The Bureau of Justice Statistics (BJS)
 - Media Type: Research Journal/Report
 - URL: <http://www.ojp.usdoj.gov/bjs/pub/pdf/cb.pdf>
 - Description: This document is a report including the results and analyses of the pilot survey for the RAND NCSS survey

- *Cyber-thieves Linked to Citibank ATM Breach* – Joseph Menn – August 24, 2009
 - Priority: Specialized
 - Company/Organization: Financial Times

- Media Type: Magazine/Periodical
- URL: http://www.ft.com/cms/s/0/0e964e10-9046-11de-bc59-00144feabdc0.html?nclick_check=1

- *Cyber Security* – Edward Amoroso – September 27, 2006
 - Priority: Foundational/Must Read
 - Company/Organization: AT&T Cyber Security
 - Media Type: Book
 - URL: http://www.amazon.com/Cyber-Security-Edward-Amoroso/dp/0929306384/ref=sr_1_1?ie=UTF8&s=books&qid=1256229984&sr=8-1
 - Description: In this new book, Amoroso brings his wealth of experience and expertise chasing computer hackers to the lay reader and he leaves no stone untouched! Some of his themes may be uncomfortable, but they simply must be examined in order to gain a proper perspective on our growing risk.

- *National Computer Security Survey* – 2008
 - Priority: Foundational/Must Read
 - Company/Organization: The Bureau of Justice Statistics, The Department of Homeland Security, and RAND
 - Media Type: Research Journal
 - URL: http://www.rand.org/pubs/technical_reports/TR544/
 - Description: This document is a collection of data on the nature, extent, and consequences of computer-security incidents, monetary costs, incident details, and computer-security measures used by companies.

- *Rethinking Corporate Security in the Post-9/11 Era: Issues and Strategies for Today's Global Business Community* – Dennis Dalton – 2001
 - Priority: Foundational/Must Read
 - Media Type: Book
 - URL: http://www.amazon.com/Rethinking-Corporate-Security-Post-9-Era/dp/0750676140/ref=sr_1_1?ie=UTF8&s=books&qid=1256323301&sr=8-1
 - Description: A unique effort to get away from the cookie-cutter solutions to security problems that often vex standard texts in this field...if you are looking for an insider's view of the history, culture, politics and current state of corporate security, this book is for you.

- *Secret Geek A-Team Hacks Back, Defends Worldwide Web* – Joshua Davis – November 24, 2008
 - Priority: Specialized
 - Company/Organization: Wired Magazine
 - Media Type: Magazine/Periodical
 - URL: http://www.wired.com/techbiz/people/magazine/16-12/ff_kaminsky?currentPage=5

- *Secret Service, Lockheed Martin, and Partners to Fight Cyber Crime* – Darlene Darcy – October 7, 2008
 - Priority: Specialized
 - Company/Organization: Washington Business Journal
 - Media Type: Magazine/Periodical
 - URL: <http://m1.2mdn.net/1534812/upsStore1012.htm?t=10&cT=http%3A//ad.doubleclick.net/click%253Bh%3Dv8/38d2/2/0/%252a/i%253B218797574%253B0-0%253B0%253B17689459%253B255-0/0%253B33751430/33769308/1%253B%253B%257Eaopt%253D2/1/a7/0%253B%257Esscs%253D%253f&l=http%3A//washington.bizjournals.com/washington/stories/2008/10/06/daily20.htm>

- Description: A consortium of government, corporate, and academic institutions have joined forces to create a new nonprofit organization to fight cyber crimes.
- *Unsecured Economies: Protecting Vital Information* – McAfee, Inc. - 2009
 - Priority: Foundational/Must Read
 - Company/Organization: McAfee, Inc.
 - Media Type: Report
 - URL:
http://www.cerias.purdue.edu/assets/pdf/mfe_unsec_econ_pr_rpt_fnl_online_012109.pdf
 - Description: The first global study highlighting the vulnerability of the world's intellectual property and sensitive information.

National Security

- *China Expands Cyberspying in the U.S., Report Says* – Siobhan Gorman – October 22, 2009
 - Priority: Cutting Edge/Recent Development
 - Company/Organization: The Wall Street Journal
 - Media Type: Magazine/Periodical
 - URL: <http://online.wsj.com/article/SB125616872684400273.html>
 - Description: Congressional Advisory Panel in Washington cites apparent campaign by Beijing to steal information from American firms.

- *Cyberpower and National Security* – Franklin Kramer – April 30, 2009
 - Priority: Foundational/Must Read
 - Company/Organization: National Defense University
 - Media Type: Book
 - URL: http://www.amazon.com/Cyberpower-National-Security-Defense-University/dp/1597974234/ref=sr_1_1?ie=UTF8&s=books&qid=1256308038&sr=8-1
 - Description: *Cyberpower and National Security* assembles a group of experts and discusses pertinent issues in five areas regarding National Cyber Security.

- *Cybersecurity, Law, and Policy: An Integration of Disciplines* – October 1, 2009
 - Priority: Foundational/Must Read
 - Company/Organization: Georgetown University
 - Media Type: Video/Webcast
 - URL: <http://explore.georgetown.edu/news/?id=45081>
 - Description: The Georgetown Institute for International Law and Politics teams up with the Lawrence Livermore National Laboratory for a public event focused on cyber security, law and policy. A panel featuring technical experts, policy makers and legal scholars will discuss recent developments to protect vital government information systems from hacking and cybernetic attack. Panelists will also make legal and policy recommendations for improving network security in the future.

- *Cyberspace Policy Review* – May, 2009
 - Priority: Foundational/Must Read
 - Company/Organization: US Government/White House
 - Media Type: Government Policy Report
 - URL: http://www.whitehouse.gov/assets/documents/Cyberspace_Policy_Review_final.pdf
 - Description: The President directed a 60-day, comprehensive, “clean-slate” review to assess U.S. policies and structures for cyber security. Cyber security policy includes strategy, policy, and standards regarding the security of and operations in cyberspace, and encompasses the full range of threat reduction, vulnerability reduction, deterrence, international engagement, incident response, resiliency, and recovery policies and activities, including computer network operations, information assurance, law enforcement, diplomacy, military, and intelligence missions as they relate to the security and stability of the global information and communications infrastructure.

- *Industry Reacts to Obama’s Cybersecurity Speech* – Angela Moscaritolo – May 29, 2009
 - Priority: Foundational/Must Read
 - Company/Organization: SC Magazine

- Media Type: Magazine/Periodical
- URL: <http://www.scmagazineus.com/Industry-reacts-to-Obamas-cybersecurity-speech/article/137693/>
- Description: Industry reaction to Obama's appointment of a new White House Cyber Coordinator
- *Information Dominance: The Navy's initiative to maintain the competitive advantage in the information age* – Admiral Gary Roughead – October 1, 2009
 - Priority: Foundational/Must Read
 - Company/Organization: USN Chief of Naval Operations
 - Media Type: Video
 - URL: <http://csis.org/multimedia/video-information-dominance-navys-initiative>
 - Description: This video addresses organizational changes within the Navy to meet the challenges of the information age, the USN's plans to establish the Fleet Cyber Command, and the USN's commitment to ensuring information superiority is provided to the war fighter.
- *National Counterintelligence Strategy of the United States of America* – June 24, 2005
 - Priority: Foundational/Must Read
 - Company/Organization: National Counterintelligence Executive, USA
 - Media Type: Government Policy Report
 - URL: <http://www.ncix.gov/publications/policy/CIstrategy.pdf>
 - Description: MCIX CI strategy to secure the nation against foreign espionage and electronic penetration.
- *Protecting Our Federal Networks Against Cyber Attacks* – June 4, 2009
 - Priority: Foundational/Must Read
 - Company/Organization: National Cyber Security Division of the US Department of Homeland Security
 - Media Type: Online
 - URL: http://www.dhs.gov/files/programs/gc_1234200709381.shtm
 - Description: This webpage briefly describes NCSD's efforts to protect the US from cyber attacks
- *Remarks by the President on Securing Our Nation's infrastructure* – May, 2009
 - Priority: Foundational/Must Read
 - Company/Organization: US Government/White House/Office of the Press Secretary
 - Media Type: Expert Testimony/Report
 - URL: http://www.whitehouse.gov/the_press_office/Remarks-by-the-President-on-Securing-Our-Nations-Cyber-Infrastructure/
- *Remarks by Secretary Napolitano at the Global Cyber Security Conference* – August 4, 2009
 - Priority: Foundational/Must Read
 - Company/Organization: US Department of Homeland Security
 - Media Type: Expert Testimony/Report
 - URL: http://www.dhs.gov/ynews/speeches/sp_1249422144667.shtm
- *Securing Cyberspace for the 44th Presidency* – December 2008
 - Priority: Cutting Edge/Recent Development
 - Company/Organization: USN Chief of Naval Operations
 - Media Type: Research Journal/Report
 - URL: http://csis.org/files/media/csis/pubs/081208_securingcyberspace_44.pdf
 - Description: A report compiled by a group of cybersecurity experts to identify recommendations that the next administration (The new Obama administration) can implement quickly to make a

noticeable improvement in the nation's cybersecurity as well as formulate longer-term recommendations that are critical to the nation's future cyber objectives.

- *Security Concerns at DOE Labs* – Thomas Pyke – September 25, 2008
 - Priority: Specialized
 - Company/Organization: Department of Energy
 - Media Type: Expert Testimony/Report
 - Description: Congressional testimony by Thomas N Pyke jr. relating to cyber security in the DOE

- *Significant Cyber Events Since 2006* – James Andrew Lewis – October 15, 2009
 - Priority: Foundational/Must Read
 - Company/Organization: Commission on Cybersecurity for the 44th Presidency
 - Media Type: Research Journal/Report
 - URL: <http://csis.org/publication/23-cyber-events-2006>
 - Description: This website contains a link (prominently placed in the right-hand column) to a document containing a list of recent critical cyber security events. Its content is continually updated.

- *Towards A Safer and More Secure Cyberspace* – June, 2005
 - Priority: Foundational/Must Read
 - Company/Organization: National Research Council and National Academy of Engineering
 - Media Type: Research Journal/Report
 - URL: http://www.cyber.st.dhs.gov/docs/Toward_a_Safer_and_More_Secure_Cyberspace-Full_report.pdf
 - Description: In response to a congressional request, the National Research Council (NRC) established the Committee on Improving Cybersecurity Research in the United States. Sponsored in part by DHS S&T, the committee has produced a report that was published in final form in October 2007. The report presents a strategy for cybersecurity research at the start of the 21st century.

- *United Kingdom Cyber Strategy Report* – June, 2009
 - Priority: Foundational/Must Read
 - Company/Organization: UK Cyber Security Operations Centre
 - Media Type: Government Policy Report
 - URL: http://www.cabinetoffice.gov.uk/newsroom/news_releases/2009/090625_security.aspx
 - Description: Brief overview of the UK Cyber Security Plan and a link to the document itself. PDF: <http://www.cabinetoffice.gov.uk/media/216620/css0906.pdf>

- *US Grapples With How to Retaliate in Cyber Attacks* – Lolita Baldor – June 2, 2009
 - Priority: Foundational/Must Read
 - Company/Organization: Associated Press Financial Wire
 - Media Type: News Report

- *Capability of the People's Republic of China to Conduct Cyber Warfare and Computer Network Exploitation* – October 22, 2009
 - Priority: Cutting Edge/Recent Development
 - Company/Organization: US-China Economic and Security Review Commission with Northrop Grumman Corporation
 - Media Type: Expert Testimony/Report

- URL:
http://www.uscc.gov/researchpapers/2009/NorthropGrumman_PRC_Cyber_Paper_FINAL_Approved%20Report_16Oct2009.pdf
- Description: This paper presents a comprehensive open source assessment of China's capability to conduct computer network operations (CNO) both during peacetime and periods of conflict. The result will hopefully serve as useful reference to policymakers, China specialists, and information operations professionals.

- *Cyber Warfare Becomes a Serious Threat* – November 30, 2007
 - Priority: Foundational/Must Read
 - Company/Organization: States News Service
 - Media Type: News Report
 - Description: However old, this article briefly describes specific cyber attacks and discusses the beginning of the serious cyber threat from china.

- *Electric Utilities May Be Vulnerable to Cyberattack* – Ellen Nakashima – April 9, 2009
 - Priority: Foundational/Must Read
 - Company/Organization: Washington Post
 - Media Type: Magazine/Periodical
 - URL: <http://www.washingtonpost.com/wp-dyn/content/article/2009/04/08/AR2009040803904.html>
 - Description: The nation's electric utilities have failed to fully survey the vulnerability of their equipment to computer-based attacks from foreign countries and hackers. Experts from Russia, China, and other nations have been trying for years to probe and exploit those vulnerabilities.

- *Forensic Discovery* – Dan Farmer – January 9, 2005
 - Priority: Foundational/Must Read
 - Media Type: Book
 - URL: http://www.amazon.com/Forensic-Discovery-Dan-Farmer/dp/020163497X/ref=sr_1_1?ie=UTF8&s=books&qid=1256585067&sr=1-1
 - The authors draw on their extensive firsthand experience to cover everything from file systems, to memory and kernel hacks, to malware. They expose a wide variety of computer forensics myths that often stand in the way of success. Readers will find extensive examples from Solaris, FreeBSD, Linux, and Microsoft Windows, as well as practical guidance for writing one's own forensic tools.

- *Halted '03 Iraq Plan Illustrates U.S. Fear of Cyberwar Risk* – John Markoff – August 1, 2009
 - Priority: Specialized
 - Company/Organization: The New York Times
 - Media Type: Magazine/Periodical
 - URL: http://www.nytimes.com/2009/08/02/us/politics/02cyber.html?_r=1
 - Interesting report of a called-off cyber attack directly prior to US invasion of Iraq.

- *Information Warfare* – September, 2008
 - Priority: Foundational/Must Read
 - Company/Organization: John Wiley and Sons Ltd
 - Media Type: Research Journal/Report
 - URL: http://www.researchandmarkets.com/research/4a0b42/information_warfar
 - Description: This book introduces policy, government, and security professionals to the concept of "information warfare," covering its evolution over the last decade and its developments among such economic and political giants as China, Russia, Japan, India, and Singapore.

- *Inside Cyber Warfare: Mapping the Cyber Underworld* – Jeffery Carr – December 15, 2009
 - Priority: Foundational/Must Read
 - Media Type: Book
 - URL: http://www.amazon.com/Inside-Cyber-Warfare-Mapping-Underworld/dp/0596802153/ref=sr_1_1?ie=UTF8&s=books&qid=1256309829&sr=8-1
 - Description: Jeffery Carr is the Principal Investigator for Project Grey Goose, and Open Source intelligence investigation into the Russian cyber attacks on Georgia in August, 2008. He works for GreyLogic and is a columnist for Symantec's "Security Focus". Carr specializes in the investigation of cyber attacks against governments and infrastructures. His book provides details on how nations, groups, and individuals throughout the world are using the internet as an attack platform to gain military, political, and economic advantages.

- *Internet's Anonymity Makes Cyberattack Hard to Track* – John Markoff – June 16, 2009
 - Priority: Specialized
 - Company/Organization: The New York Times
 - Media Type: Magazine/Periodical
 - URL: <http://www.nytimes.com/2009/07/17/technology/17cyber.html>
 - Article describing the difficulty in tracing the origin of hackers and cyber attacks.

- *The Snooping Dragon: Social-Malware Surveillance of the Tibetan Movement* – Shishir Nagaraja – March 2009
 - Priority: Specialized
 - Company/Organization: The University of Cambridge
 - Media Type: Research Journal/Report
 - URL: <http://www.cl.cam.ac.uk/techreports/UCAM-CL-TR-746.html>

- *Soldiers' Data Still Being Downloaded Overseas, Firm Says* – Ellen Nakashima – October 2, 2009
 - Priority: Specialized
 - Company/Organization: Washington Post
 - Media Type: Magazine/Periodical
 - URL: <http://www.washingtonpost.com/wp-dyn/content/article/2009/10/01/AR2009100104947.html>
 - The personal data of tens of thousands of US soldiers is being downloaded by unauthorized computer users in countries such as China and Pakistan.

- *Trends of China's Strategy in Information Warfare* – Alexander Albertovich Migunov – October 1, 2008
 - Priority: Foundational/Must Read
 - Company/Organization: National Nuclear Threat Reduction Center
 - Media Type: Expert Testimony/Report
 - Description: Specific expert report on china's information warfare strategies and capabilities

- *US Army War College Cyberspace Publications*
 - Priority: Foundational/Must Read
 - Company/Organization: US Army War College Cyberspace Publications
 - Media Type: Online
 - URL:
 - Description: Excellent website linking to various articles and expert reports regarding cyber warfare and information warfare. Many relevant articles about threats from specific nations and terrorist groups

- *US Department of Energy: Office of the CIO, Cyber Security Conference* – May 20, 2009
 - Priority: Foundational/Must Read
 - Company/Organization: US Department of Energy
 - Media Type: Online
 - URL: http://cio.energy.gov/csc_conference.htm
 - Description: Website of a recent DOE Cyber Security Conference. Contains links to all presentation materials.

- *U.S., South Korea Targeted in Swarm of Internet Attacks* – Ellen Nakashima – July 9, 2009
 - Priority: Foundational/Must Read
 - Company/Organization: Washington Post
 - Media Type: Magazine/Periodical
 - URL: <http://www.washingtonpost.com/wp-dyn/content/article/2009/07/08/AR2009070800066.html?nav=emailpage>
 - Description: South Korean hackers target US Government Sites as well as corporate web pages to probe for security vulnerabilities.

- *Vast Spy System Loots Computers in 103 Countries* – John Markoff – March 28, 2009
 - Priority: Specialized
 - Company/Organization: The New York Times
 - Media Type: Magazine/Periodical
 - URL: <http://www.nytimes.com/2009/03/29/technology/29spy.html?scp=1&sq=information%20warfare&st=Search>
 - Description: China's growing cyber warfare program infiltrates computers belonging to the Dalai Lama among others. A Canadian research team responds.

- *When Alarmists Talk Perfect Sense About Cyber Warfare: Imagine No Lines*– Bruce Sterling – August 10, 2009
 - Priority: Foundational/Must Read
 - Company/Organization: WIRED Magazine
 - Media Type: Magazine/Periodical
 - URL: http://www.wired.com/beyond_the_beyond/2009/08/when-alarmists-talk-perfect-sense-about-cyberwar-imagine-no-lines/
 - Description: This article describes the new face of electronic warfare.

Other Sources of Interest

- *CERIAS (The Center for Education and Research in Information Assurance and Security) at Purdue University*
 - Company/Organization: CERIAS (The Center for Education and Research in Information Assurance and Security) at Purdue University
 - Media Type: Website
 - URL: <http://www.cerias.purdue.edu/>
 - A center for research and education in areas of information security that are crucial to the protection of critical computing and communication infrastructure.

- *CERT Software Assurance*
 - Company/Organization: CERT (Computer Emergency Response Team)
 - Media Type: Website
 - URL: <http://www.cert.org/cert/>
 - A center of Internet security expertise, located at the Software Engineering Institute, a federally funded research and development center operated by Carnegie Mellon University.

- *CrossTalk*
 - Company/Organization: Journal of Defense Software Engineering
 - Media Type: Website
 - URL: <http://www.stsc.hill.af.mil/crosstalk/about.html>
 - CrossTalk, The Journal of Defense Software Engineering is an approved Department of Defense journal. CrossTalk's mission is to encourage the engineering development of software in order to improve the reliability, sustainability, and responsiveness of our warfighting capability and to inform and educate readers on up-to-date policy decisions and new software engineering technologies.

- *Dr. Eugene H. Spafford Blog*
 - Company/Organization: CERIAS (The Center for Education and Research in Information Assurance and Security) at Purdue University
 - Media Type: Website/Blog
 - URL: <http://www.cerias.purdue.edu/site/blog/author/spaf/P10/>
 - A blog by cyber expert Dr. Eugene H. Spafford containing links to a variety of cyber security related reports, journals, and other documents.

- *SecurityFocus*
 - Company/Organization: SecurityFocus
 - Media Type: Website
 - URL: <http://www.securityfocus.com/>
 - SecurityFocus is the most comprehensive and trusted source of security information on the Internet. SecurityFocus is a vendor-neutral site that provides objective, timely and comprehensive security information to all members of the security community, from end users, security hobbyists and network administrators to security consultants, IT Managers, CIOs and CSOs.