NIST Special Publication 800-1

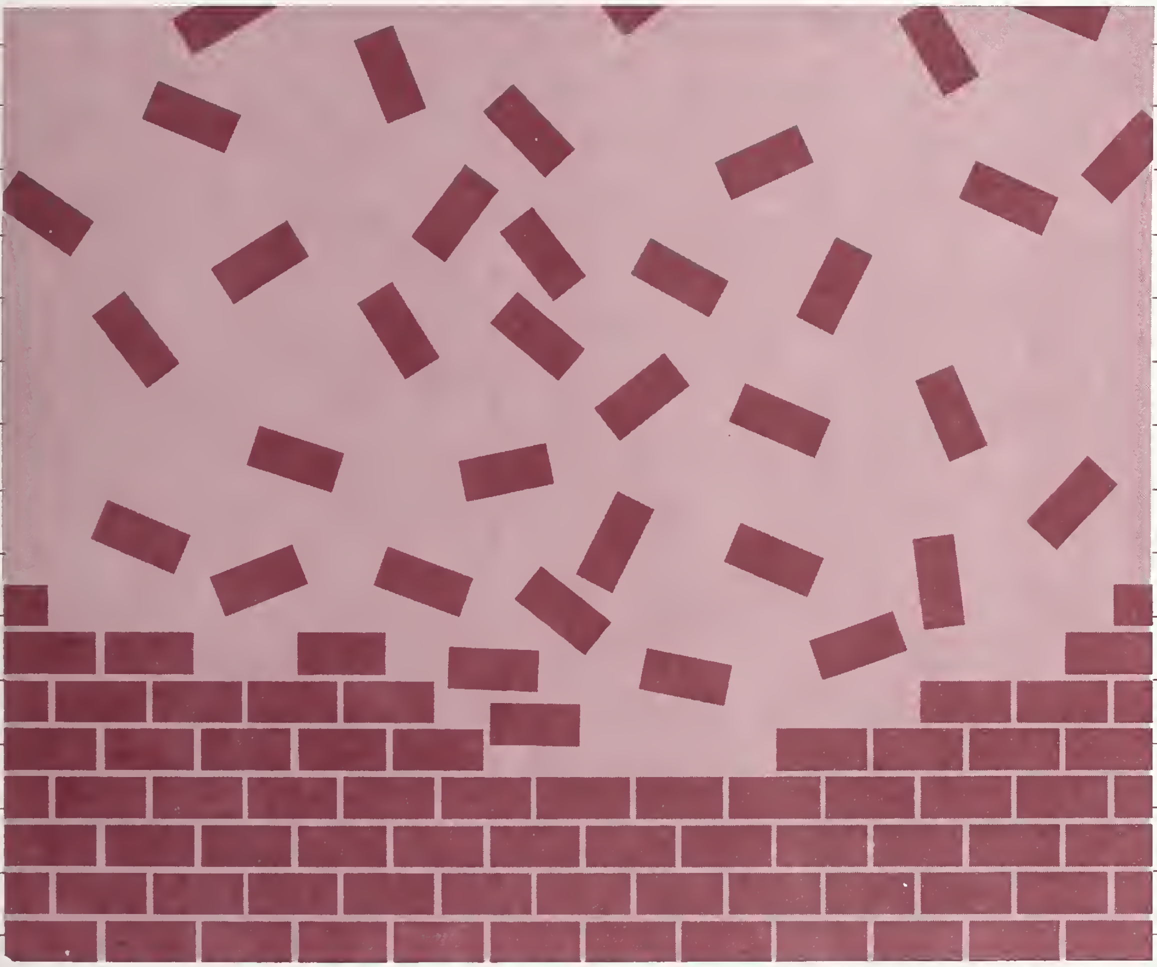
U.S. DEPARTMENT OF COMMERCE
National Institute of Standards and Technology

Bibliography of Selected Computer Security Publications January 1980–October 1989

Rein Turn

Lawrence E. Bassham III

COMPUTER SECURITY



NIST

NIST Special Publication 800-1

Bibliography of Selected Computer Security Publications January 1980– October 1989

Rein Turn, Compiler
Rein Turn Associates
Pacific Palisades, CA 90727

Lawrence E. Bassham III, Editor

COMPUTER SECURITY

National Computer Systems Laboratory
National Institute of Standards
and Technology
Gaithersburg, MD 20899

December 1990

U.S. DEPARTMENT OF COMMERCE
Robert A. Mosbacher, Secretary

NATIONAL INSTITUTE OF STANDARDS
AND TECHNOLOGY
John W. Lyons, Director

Reports on Computer Systems Technology

The National Institute of Standards and Technology (NIST) has a unique responsibility for computer systems technology within the Federal Government. NIST's National Computer Systems Laboratory (NCSL) develops standards and guidelines, provides technical assistance, and conducts research for computers and related telecommunications systems to achieve more effective utilization of Federal information technology resources. NCSL's responsibilities include development of technical, management, physical, and administrative standards and guidelines for the cost-effective security and privacy of sensitive unclassified information processed in Federal computers. NCSL assists agencies in developing security plans and in improving computer security awareness training. This Special Publication 800 series reports NCSL research and guidelines to Federal agencies as well as to organizations in industry, government, and academia.

National Institute of Standards and Technology Special Publication 800-1
Natl. Inst. Stand. Technol. Spec. Publ. 800-1, 200 pages (Dec. 1990)
CODEN: NSPUE2

U.S. GOVERNMENT PRINTING OFFICE
WASHINGTON: 1990

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402

ABSTRACT

This bibliography cites selected books and articles on computer security published from January 1980 through October 1989. To have been selected, an article had to be substantial in content and have been published in professional or technical journals, magazines, or conference proceedings. Only very substantial articles from the popular or trade press were included. English language articles from foreign journals were included as available. The citations are listed under nine categories. A tenth category of pre-1980 publications is also provided, as well as an appendix containing addresses of all journals and magazines referenced in the bibliography.

Key Words: access controls; auditing; communications security; computer crime; computer security; confidentiality; cryptography; disaster recovery; integrity; privacy; risk management; trusted computing base.

Contents

INTRODUCTION

In recognition of the critical need for better dissemination of computer security information throughout government and industry, the National Institute of Standards and Technology (NIST) has produced this selected bibliography of key computer security literature published from January 1980 through October 1989. This bibliography was compiled by Rein Turn of Rein Turn Associates under contract to NIST.

The bibliography is organized into the following 10 sections and 2 appendices:

1. General
2. Management
3. Foundations
4. Access Control
5. Trusted Systems
6. Database Security
7. Communication and Network Security
8. Cryptography
9. Privacy
10. Pre-1980 Publications

Appendix A: Periodicals
Appendix B: List of Key Words

Citations in sections 1 through 9 are organized by subject matter; section 10 is a listing of pre-1980 publications. To have been selected, an article had to be substantial in content and have been published in professional or technical journals, magazines, or conference proceedings. Only very substantial articles from the popular or trade press were included. English language articles from foreign journals were included as available.

The individual citations have the following structure (an example is shown at the right):

Identifier	AAL-83
Author	Aalders, J.C.H.
Title	"Towards Standards in Computer Security," Proc.
Journal title (or publishing house)	IFIP/Sec. '83, Stockholm, 1983, (2: FAK-83),
Date and page (or location and year)	pp. 5-13.
Key words (two or three)	
	Key Words: guidelines, policy.

Each citation is uniquely identified by the first letters of the principal author's last name (or the publishing organization's acronym, if no author is identified or listing by organization is more meaningful) and the last two digits of the year of publication. A lowercase letter following the year serves to distinguish otherwise identical citation identifiers.

Section numbers are used to distinguish identical citations identifiers from different sections and multiple citations from the same publication [e.g. (2: NBS-81) and (7: NBS-81)].

Appendix A contains a list of the periodicals from which citations in this bibliography have been taken. The list contains publisher and editor information where appropriate in order to assist the user of this bibliography to obtain more information about documents cited.

Appendix B contains a list of all the key words used in each of the 10 sections. This list will assist the reader who would like information on a topic that spans more than one section. As an example, information on viruses can been found in each of the first three sections (General, Management, and Foundations).

1. General

This section cites general, mostly nontechnical publications on computer threats and vulnerabilities (including the hacker and computer viruses), the need for computer security, and other aspects of computer security.

AAL-83
Aalders, J.C.H.
"Towards Standards in Computer Security," Proc. IFIP/Sec. '83, Stockholm, 1983, (2: FAK-83), pp. 5-13.

Key Words: guidelines, policy.

AAL-85
Aalders, J.C.H.,
I.S. Herschberg, and
A. Van Zanten
Handbook for Information Security, North-Holland/Elsevier Science Publishing Co., New York, 1985.

Key Words: book, general, policy, guidelines, techniques.

ABA-84
Report on Crime, American Bar Association, Section on Criminal Justice, Washington, DC, 1984.

Key Words: book, crime, laws, policy.

AGR-83
Agranoff, M.H.
"Achieving Security Awareness: Tips and Techniques," Computer Security Journal, Spring 1983, pp. 7-17.

Key Words: awareness, guidelines.

ALA-86
Alagar, V.S.
"A Human Approach to the Technological Challenges in Data Security," Computers & Security, December 1986, pp. 328-335.

Key Words: awareness, policy.

ALL-85
Allen, R.J.
"Data Security: Problems and Remedies," Today's Office, April 1985, pp. 26-27.

Key Words: crime, threats, general, techniques.

APR-81
Crime Investigation Manual, Assets Protection Publishing, Madison, WI, 1981

Key Words: book, crime.

ARD-85
Ardis, P.M., and
R.M. Johnson
"Electronic and Crime Insurance in the US and UK," Computer Fraud & Security Bulletin, August 1985, pp. 1-6.

Key Words: crime, policy, international.

ARN-83
Arnell, A.
"On-Site Hazards, Off-Site Safety," Computerworld, December 12, 1983, pp. ID/13-24.

Key Words: threats, physical.

ASS-81
"An Atlas of Terrorism," Assets Protection, March/April 1981, pp. 26-36.

Key Words: crime, hackers.

ATK-85
Atkins, W.
"Jesse James at the Terminal," Harvard Business Review, July/August 1985

Key Words: crime, hackers.

BAC-83
Backwith, N.
"Unique Approach to Security Evaluation," Computers & Security, January 1982, pp. 35-40.

Key Words: guidelines, policy.

BAI-84
Bailey, D.
"Attacks on Computers: Congressional Hearings and Pending Legislation," Proc. 1984 IEEE Symp. on Sec. & Privacy (5: IEE-84), pp. 180-187.

Key Words: crime, hackers, legislation.

BAI-87
Baird, B.J., L.L. Baird, and
R.P. Ranauro,
"The Moral Cracker?," Computers & Security, December 1987, pp. 471-478.

Key Words: crime, hackers.

BAI-89
Bainbridge, D.I.
"Hacking -- The Unauthorized Access of Computer Systems: The Legal Implications," Modern Law Review, March 1989, pp. 236-245.

Key Words: crime, hackers, legislation.

BAK-85
Baker, R.H.
The Computer Security Handbook, TAB Books, Inc., Blue Ridge Summit, PA, 1985

Key Words: book, general, policy, guidelines, techniques.

BAL-82
Ball, L.D.
"Crime," Technology Review, April 1982, pp. 21-30.

Key Words: crime, policy, legislation.

BAL-88
Ball. M.
"To Catch a Thief," Security Management, March 1988, pp. 72-78.

Key Words: crime, hackers, guidelines.

BAS-88
Baskerville, R.
Designing Information Systems Security, Wiley & Sons, Somerset, NJ, 1988

Key Words: book, guidelines, policy, techniques, general.

BAU-84
Bauder, D.
"Electronic Funds Transfer Security," Proc. 7th Seminar, DoD Comp. Sec. Progr. (5: DOD-84), 1984, pp. 188-194.

Key Words: vulnerabilities, threats, policy, guidelines.

BEA-84
Beane, W.F., E.R. Hilton, and B. Goldstein
"Computer Security: Who Is in Charge?" Security World, October 1984, pp. 42-46.

Key Words: general, policy.

BEC-80
Becker, J.
"Rifkin -- A Documentary History," Computer/Laws Journal, Summer 1980, pp. 472-720.

Key Words: crime.

BEC-83
Becker, L.G.
Computer Security: An Overview of National Concerns and Challenges, Report No. 83-135 SPR, Congressional Research Service, U.S. Library of Congress, Washington, DC, February 3, 1983.

Key Words: crime, policy, legislation.

BEC-83a
Becker, H.B.
Information Integrity, McGraw-Hill, New York, 1983.

Key Words: book, guidelines, policy, techniques.

BEC-85
Becker, L.G.
Computer Abuse and Misuse: An Assessment of State and Federal Legislative Incentives, Institute for Defense Analysis, Princeton, NJ, 1985.

Key Words: crime, policy, legislation.

BEC-85a
Becker, L.G.
"Computer and Network Security Policy: A Challenge to Organizations," Proc. IFIP/Sec. '85, Dublin, 1985, (2: GRI-85), pp. 241-250.

Key Words: policy, guidelines.

BEE-84
Beebe, C.A.
"Planning for Access Control," Security Management, January 1984, pp. 77+.

Key Words: guidelines, policy.

BEL-87
Belford, P., and J. Quann
"The Hack Attack Increasing Computer System Awareness of Vulnerability Threats," AIAA 87-3093, Proc. 3d Aerosp. Comp. Sec. Conf. (5: IEE-87b), 1987, pp. 155-157.

Key Words: awareness, hackers, threats, vulnerabilities.

BEQ-83
Bequai, A.
How to Prevent Crime, J. Wiley & Sons, New York, 1983.

Key Words: book, crime, guidelines, techniques.

BEQ-83a
Bequai, A.
"What Can Be Done to Stem The Rising Electronic Crime?," The Office, November 1983, pp. 47-49.

Key Words: crime, policy, guidelines.

BEQ-84
Bequai, A.
"Lack of Ethics as a Cause of Crime," Computers and People, May-June 1984, pp. 7-14.

Key Words: crime, ethics.

BER-82
Bernhard, R.
"Breaching System Security," IEEE Spectrum, June 1982, pp. 24-31.

Key Words: threats, crime.

BIG-81
Bigelow, R.P. (Ed.)
Computers & the Laws, Commerce Clearing House, Chicago, 1981.

Key Words: book, crime, guidelines, laws.

BIG-81a
Bigelow, R.P.
"The Queen vs. McLaughlin, or Why the Criminal Sometimes Goes Free," Computer Security Journal, Winter 1982, pp. 131-136.

Key Words: crime, laws.

BIG-81b
Bigelow, R.P.
"The Security Officer's Role in Legal Protection of Software," Computer Security Journal, Winter 1982, pp. 99-107.

Key Words: guidelines, policy.

BLA-84
Blakney, S.
"Crime," Computerworld, December 26, 1983, p. 57+.

Key Words: crime, threats.

BLA-88
Blatchford, C.
"A Manufacturer's Approach to the Security of Computer Systems," Proc. IFIP/Sec. '88, Australia, 1989, (2: CAE-89), pp. 187-195.

Key Words: awareness, guidelines, policy, techniques.

BLO-80
Bloom, R.
"Catching the Computer Crook," Infosystems, July 1980, pp. 30-35.

Key Words: crime, guidelines.

BLO-82
BloomBecker, J.
"International Crime: Where Terrorism and Transborder Data Flow Meet," Computers & Security, January 1982, pp. 41-53.

Key Words: crime, hackers, international.

BLO-83
Blom, R., and J.-O. Bruer
"Office Information Systems and Security," Proc. IFIP/Sec. '83, Stockholm, 1983, (2: FAK-83), pp. 107-110.

Key Words: guidelines, policy.

BLO-83a
Bloom, R.
"Computers Don't Commit Crime, People Do," Data Management, July 1983, p. 14.

Key Words: crime.

BLO-83b
BloomBecker, J.
"Crime -- Corporate Councel's View," Crime Digest, March 1983, pp. 7-10.

Key Words: crime, laws.

BLO-83c
BloomBecker, J.
"International Crime: A Growing Threat," Transnational Data Report, June 1983, pp. 219-230.

Key Words: crime, threats, international.

BLO-84
Bloombecker, J.
"Introduction to Crime," Proc. IFIP/Sec. '84, Toronto, 1984, (2: FIN-85), pp. 423-430.

Key Words: crime, general.

BLO-85
Bloombecker, J.
"Computer Security for the People," Transnational Data Report, Oct./Nov. 1985, pp. 367-370.

Key Words: awareness, ethics.

BLO-85a
Bloombecker, J.
Computer-Crime Laws Reporter, National Center for Computer-Crime Data, California State University, Los Angeles, CA, 1985.

Key Words: book, crime, laws.

BLO-85b
Bloombecker, J.J.
Introduction to Crime, National Center for Crime Data, Los Angeles, CA, September 1985.

Key Words: book, crime, laws.

BLO-86
Bloombecker, J.J.
Crime, Computer Security, Computer Ethics, National Center for Crime Data, Los Angeles, CA, February 1986.

Key Words: book, crime, ethivcs, policy.

BLO-86a
Bloombecker, J.J.
"New Federal Laws Bolsters Computer Security Efforts," Computerworld, October 27, 1986, p. 53-66.

Key Words: crime, laws.

BLO-86b
Bloombecker, J.J.
"Lobbying for Protection," Computerworld, August 4, 1986, pp. 55-62.

Key Words: crime, awareness.

BLO-86c
Bloombecker, J.J.
"Defense of Crime Cases," American Jurisprudence Trials, Vol. 33, 1986, pp. 1-197.

Key Words: crime, laws.

BLO-88
Bloombecker, J.J.
"Captain Midnight and the Space Hackers," Security Management, July 1988, pp. 76-82.

Key Words: crime, hackers.

BLO-89
Bloombecker, J.J.
"Trends in Computer Abuse/Misuse," Proc. 12th Natl. Comp. Sec. Conf. (5: NCS-89), 1989, pp. 611-614.

Key Words: crime, threats, laws, guidelines.

BLO-89a
Bloombecker, J.J. (Ed.)
Commitment to Security, National Center for Computer Crime Data, Santa Cruz, CA, 1989.

Key Words: book, crime, policy, general.

BOL-81
Bologna, J.
"The 8-Factor Theory of White-Collar Crime Causation," Proc. Comp. Sec. & Priv. Symp., 1981 (1: HON-81), pp. 57-67.

Key Words: crime, threats, guidelines.

BOL-81a
Bologna, J.
Crime: Wave of the Future, Assets Protection Publishing, Madison, WI, 1981.

Key Words: book, crime.

BOL-81b
Bologna, J.
"MOMM's: A Taxonomy of Computer-Related Employee Theft," Assets Protection, May/June 1981, pp. 33-36.

Key Words: crime, threats.

BOL-86
Bologna, J.
"Computer Related Crime: The Who, What, Where, When, Why and How, I," Data Processing & Communications Security, Winter 1986, pp. 19-23.

Key Words: crime, general.

BOL-86a
Bologna, J.
"Computer Related Crime: The Who, What, Where, When, Why and How, II," Data Processing & Communications Security, Spring 1986, pp. 25-30.

Key Words: crime, general.

BOR-85
Borking, J.J.
Third Party Protection of Software and Firmware, North-Holland Publishing Co. Amsterdam, 1985.

Key Words: book, software privacy.

BOS-82
Bosworth, B.,
Codes, Ciphers and Computers: An Introduction to Information Security, Hayden Book Co., Rochelle Park, NJ, 1982.

Key Words: book, awareness, general.

BOT-86
Bottom, N.R., Jr., et al.
"About the Security Degree: Are We Losing It (A Discussion)," Journal of Security Administration, June 1986, pp. 7-20.

Key Words: general, policy.

BRE-86
Breton, T., and D. Beneich
Softwars, Holt, Rinehart, Winston, New York, 1986.

Key Words: book, awareness.

BRO-83
Brown, R.A.
"Crime and Computers," Criminal Laws Journal, April 1983, pp. 68-89.

Key Words: crime, laws.

BRO-83a
Browne, M.W.
"Locking Out The Hackers," Discover, November 1983, pp. 30-40.

Key Words: awareness, hackers, crime.

BUI-84
Buikema, C., et al.
"Security Regulation: A State-by-State Update," Security Management, January 1984, pp. 39-48.

Key Words: crime, laws.

BUM-84
Bump, M. Jr.
"A Primer on Software Piracy Cases in the Courts," Computers & Security, May 1984, pp. 123-134.

Key Words: awareness, laws, software piracy.

BUR-88
Burger, R.
Computer Viruses: A High-Tech Disease, Abacus, Grand Rapids, MI, 1988.

Key Words: computer viruses, threats, general.

BUS-81
"Computer-Crime -- The Spreading Danger to Business," Business Week, April 20, 1981, pp. 86-91.

Key Words: crime, threats, guidelines.

BUS-84
Buss, M.D.J., and L.M. Salerno "Common Sense and Computer Security," Harvard Business Review, March-April 1984, pp. 112-121.

Key Words: awareness, guidelines, policy, general.

BUS-88
"Is Your Computer Secure?," Business Week, August 1, 1988, pp. 64-70.

Key Words: awareness, computer crime, policy.

BYN-85
Bynum, T.W. (Ed.) "Computers & Ethics," Metaphilosophy, October 1985.

Key Words: book, ethics.

CAE-89
Caelli, W.J. (Ed.) Computer Security in the Age of Information, Proceedings, IFIP/Sec '88, Gold Coast, Queensland, Australia, May 1988, North-Holland/Elsevier, Amsterdam/New York, 1989.

Key Words: proceedings, general.

CAL-83
Calhoun, G. "Deterring Crimes," Telephony, April 4, 1983, pp. 45+.

Key Words: crime, laws, techniques.

CAM-87Campbell, M.
"Security and Privacy: Issues of Professional Ethics," Proc. 10th Natl. Comp. Sec. Conf. (5: NCS-87a), 1987, pp. 326-333.

Key Words: awareness, ethics.

CAM-88
Campbell, D. "Computer Sites: Targets for Destruction," Security Management, July 1988, pp. 56-60.

Key Words: threats, physical.

CAN-86
Canning, R. "Information Security and Privacy," EDP Analyzer, February 1986, pp. 1-16.

Key Words: awareness, general.

CAR-80
Carroll, J.M. "Ethics for the Computer Age," Proc. Comp. Sec. & Priv. Symp., 1980 (1: HON-80), pp. 17-25.

Key Words: crime, ethics.

CAR-81
Carroll, J.M. "Decriminalization of Computer Crime," Proc. Comp. Sec. & Priv. Symp. 1981 (1: HON-81), pp. 61-68.

Key Words: Crime, policy.

CAT-86
Cates, H.W. "Crime Laws: A Review of State Statutes," Data Processing & Communications Security, Spring 1986, pp. 19-21.

Key Words: crime, laws.

CHA-85
Chamoux, J.P. "Data Security and Confidentiality in Europe, Computers & Security, September 1985, pp. 207-210.

Key Words: crime, threats, laws, international.

CHO-84
Choney, L.B. "Software Escrow and the Security Practioner," Computer Security Journal, Summer 1984, pp. 65-74.

Key Words: policy, guidelines.

CJJ-88
"Crime Statutes: Are They Bridging the Gap Between Laws and Technology?," Criminal Justice Journal, Fall/Winter 1988, pp. 203-233.

Key Words: crime, laws.

CLJ-80
"Crime, Part 1," Computer/Laws Journal, Spring 1980.

Key Words: crime, laws.

CLJ-80a
"Crime, Part 2," Computer/Laws Journal, Summer 1980.

Key Words: crime, laws.

CLJ-83
"Misappropriation of Computer Services: The Need to Enforce Civil Liability," Computer/Laws Journal, Fall 1983, pp. 401-420.

Key Words: crime, laws.

CLY-89
Clyde, R. "Crime Investigation Techniques," COM-SAC: Computer Security, Auditing and Control, No. 1, 1989, pp. 1-7.

Key Words: crime, techniques.

COA-83
Coates, J.F. "The Future of Data Security: Thoughts and Proposals," Computer Security Journal, Spring 1983, pp. 77-84

Key Words: awareness, policy, general.

COL-82
Colvin, B.D. "Training Crime Investigators," EDPACS, March 1982, pp. 6-11.

Key Words: crime, policy, guidelines.

COM-83
Crime Needs International Countermeasures: Proceedings of London Conference, June 1983, Elsevier International Bulletins, Oxford, England, 1983.

Key Words: proceedings, techniques, international, policy.

CON-80
The Government Classification of Private Ideas, House Report No. 96-1540, U.S. Congress, Washington, DC, December 22, 1980.

Key Words: Congress, policy, government.

CON-83
Computer Security in the Federal Government and the Private Sector, Hearings before Subcommittee on Oversight of Government Management, Senate Committe on Government Operations, U.S. Congesss, Government Printing Office, Washington, DC, 1983.

Key Words: Congress, threats, laws, government.

CON-84
Computer and Communications Security and Privacy, Hearings, Subcommittee on Transportation, Aviation and Materials, Committee on Science and Technology, House of Representatives, Government Printing Office, Washington, DC, 1984.

Key Words: Congress, legislation.

CON-84a
S. 1920, Small Business Computer Crime Act, Hearings before the Senate Committee on Small Business, March 7, 1984, U.S. Congress, Government Printing Office, Washington, DC, 1984.

Key Words: Congress, legislation.

CON-84b
The Counterfeit Access Device and Computer Security Act of 1984, P.L. 98-473), U.S. Congress, 1984.

Key Words: Congress, legislation.

CON-85
Federal Government Computer Security, Hearings before Subcommittee on Transportation, Aviation and Materials of the Committee on Science and Technology, House of Representatives, May 1985, U.S. Congresss, Government Printing Office, Washington, DC, 1985.

Key Words: Congress, government, policy, threats.

CON-85a
Computer Security Research and Training Act of 1985, Hearings before Subcommittee on Legislation and National Security of the Committee on Government Operations, House of Representatives, U.S. Congress, Government Printing Office, Washington, DC, 1985.

Key Words: Congress, policy.

CON-86
Computer Fraud and Abuse Act of 1986: Report on S.2201, Senate Committee on the Judiciary, U.S. Congress, Gocernment Printing Office, Washington, DC, September 3, 1986.

Key Words: Congress, legislation.

CON-86a
Computer Fraud and Abuse Act of 1986, Public Laws 99-474, U.S. Congress, Washington, DC, October 16, 1986.

Key Words: Congress, legislation.

CON-87
Computer Security Act of 1987, Hearings Before Subcommittee on Transportation, Aviation and Materials of the Committee on Science and Technology, House of Representatives, U.S. Congresss, Government Printing Office, Washington, DC, 1987.

Key Words: Congress, legislation.

CON-87a
Computer Security Act of 1987, Hearings before Subcommittee on Legislation and National Security of the Committee on Government Operations, House of Representatives, U.S. Congresss, Government Printing Office, Washington, DC, 1987.

Key Words: Congress, legislation.

CON-87b
Computer Security Act of 1987, Report No. 100-153, Part 1, of the Committee on Science, Space and Technology, House of Representatives, U.S. Congresss, Government Printing Office, Washington, DC, June 11, 1987.

Key Words: Congress, legislation.

CON-87c

Computer Security Act of 1987, Report No. 100-153, Part 2, of the Committee on Government Operations, House of Representatives, U.S. Congresss, Government Printing Office, Washington, DC, June 11, 1987.

Key Words: Congress, legislation.

CON-89

Implementation of the Computer Security Act, Hearings before Subcommittee on Transportation, Aviation and Materials of the Committee on Science and Technology, House of Representatives on September 22, 1988, U.S. Congresss, Government Printing Office, Washington, DC, 1989.

Key Words: Congress, policy, laws.

COO-84

Cooper, C.
"The Real Cost of Software Piracy," Information Age (UK), April 1984, pp. 98-102.

Key Words: software piracy.

COO-89

Cook, W.J.
"Access to the Access Codes '88-'89: A Prosecutor's Prospective," Proc. 12th National Comp. Sec.Conf. (5: NCS-89), 1989, pp. 619-623.

Key Words: hacking, policy, laws.

COR-87

Cornwall, H.
Computer Fraud, Industrial Espionage, & Information Crime, Heinemann Professional Publishing, London, 1987.

Key Words: book, crime.

COT-84

Cottrell, P., and B.D. Weiss
"Third-Party Liability Insurance: Protection in Case of Computer Error," Computerworld, April 2, 1984, pp. ID1-ID7.

Key Words: policy, laws.

COU-81

Courtney, R.H., Jr.
"The Democratization of White Collar Crime," Computer Security Journal, Spring 1981, pp. 39-44.

Key Words: crime, laws, awareness.

COU-84

Courtney, R.H., Jr.
"Computer Security Goals of the DoD--Another Opinion," Computer Security Journal, Summer 1984, pp. 60-62.

Key Words: policy, government.

COU-84a

Courtney, R.J., Jr.
"Computer Security: The Menace is Human Error," The Office, March 1984, pp. 119.

Key Words: threats, policy.

COU-87

Courtney, R.H., Jr.
"Computer Data Security: A Leadership Vacuum," Computer Security Journal, Vol. IV, No. 2, 1987, pp. 7-16.

Key Words: awareness, policy.

COU-89a

Courtney, R.H. Jr.
"Proper Assignment of Responsibility for Data Security," Security Management, March 1989, pp. 83-86.

Key Words: policy, guidelines.

CSC-88

Glossary of Computer Security Terms, NCSC-TG-004, National Computer Security Center, Ft. Meade, MD, 21 October 1988.

Key Words: guidelines, government.

CSI-83

"Making the Case for Computer Security," Special Section by Computer Security Institute, Datamation, September 1983.

Key Words: awareness, general, policy, guidelines.

CSI-84

"Computer Security: Issues and Answers," Special Section by Computer Security Institute. Datamation, September 1, 1984.

Key Words: awareness, general, policy, guidelines.

CSI-85

"Computer Security: Issues and Answers," Special Section by Computer Security Institute, Datamation, September 15, 1985.

Key Words: awareness, general, policy, guidelines.

CSI-86

"Computer Security: Issues and Responsibilities," Special Section by Computer Security Institute, Datamation, October 1, 1986.

Key Words: awareness, general, policy, guidelines.

CSI-89

"Computer Security: Issues and Trends," Special Section by Computer Security Institute, Datamation, September 15, 1989.

Key Words: awareness, general, policy, guidelines.

CWO-83
"Crime in Japan," Computerworld, November 7, 1983, pp. ID/7-20.

Key Words: crime, international.

CWO-84
"Protecting the Corporate Information Resource: Special Report," Computerworld, October 29, 1984, pp. SR/1-32.

Key Words: policy, guidelines.

CWO-85
"System Security: Protecting Corporate Information Assets," Computerworld, November 25, 1985, p. 55ff.

Key Words: policy, guidelines.

DAV-85
Davis, G.F.G. III
Software Protection: Practical and Legal Steps to Protect and Market Computer Programs, Van Nostrand Reinhold, New York, 1985.

Key Words: book, software piracy, general, laws.

DEA-83
DeAnnuntis, G.
A Bibliography of Computer Security Bibliographies, GPD Press, Wheaton, MD, February 1983.

Key Words: awareness, general.

DEL-88
Computer Viruses, Deloitte, Haskins & Sells, New York, October 1988.

Key Words: book, computer viruses, guidelines, techniques.

DEM-83
DeMaio, H.B.
"Computer Security and the End User," Proc. IFIP/Sec. '83, Stockholm, 1983, (2: FAK-83), pp. 1-4.

Key Words: awareness, policy.

DEM-88
DeMaio, H.B.
"Information Ethics -- It Doesn't Come Naturally," Computer Security Journal, Vol. V, No. 1, 1988, pp. 7-19.

Key Words: awareness, ethics.

DEM-89
DeMaio, H.B.
"Viruses -- A Management Issue," Computers & Security, August 1989, pp. 381-388.

Key Words: computer viruses, policy.

DEM-89a
DeMaio, H.B.
"Information Ethics, A Practical Approach," Proc. 12th Natl. Comp. Sec. Conf. (5: NCS-89), 1989, pp. 630-633.

Key Words: awareness, ethics, policy.

DEN-87
Denning, D.E.,
P.G. Neumann, and
D.B. Parker
"Social Aspects of Computer Security," Proc. 10th Natl. Comp. Sec. Conf. (5: NCS-87a), 1987, pp. 320-325.

Key Words: awareness, general.

DEN-88
Denning, P.J.
"Computer Viruses," American Scientist, May/June 1988, pp. 236-238.

Key Words: computer viruses, guidelines.

DEN-89
Denning, P.J.
"The Internet Worm," American Scientist, March/April 1989, pp. 126-128.

Key Words: threats, hackers, computer viruses.

DER-88
Derosier, J.
"Computer Security at Digital," Proc. IFIP/Sec. '88, Australia, 1989, (2: CAE-89), pp. 163-165.

Key Words: awareness, general.

DEW-84
Dewdney, A.K.
"A Core War Bestiary of Viruses, Worms, and Other Threats to Computer Memories," Scientific American, June 1984, pp. 14-23.

Key Words: computer viruses, general.

DEW-89
Dewdney, A.K.
"Of Worms, Viruses and Core Wars," Scientific American, March 1989, pp. 110-113.

Key Words: computer viruses.

DMA-83
"Data Security, Special Issue," Data Management, July 1983.

Key Words: general, guidelines, techniques.

DOJ-80
Crime: Legislative Resource Manual, Bureau of Justice Statistics, U.S. Department of Justice, Washington, DC, 1980.

Key Words: crime, government, guidelines, laws.

DOJ-80a
Crime: Expert Witness Manual, Bureau of Justice Statistics, U.S. Department of Justice, Washington, DC, 1980.

Key Words: crime, guidelines, government, laws.

DOJ-82
Crime: Electronic Funds Transfer Systems and Crime, U.S. Department of Justice, Bureau of Justice Statistics, Washington, DC, 1982.

Key Words: crime, government, laws, guidelines.

DOJ-82a
Crime: Computer Security Techniques, U.S. Department of Justice, Bureau of Justice Statistics, Washington, DC, 1982.

Key Words: crime, laws, techniques.

EIS-89
Eisenberg, T., et al.
"The Cornell Commission: On Morris and the Worm," Communications of the ACM, June 1989, pp. 706-709.

Key Words: hackers, laws, computer viruses.

EKE-85
Ekebrink, I.
"Security of Electronic Transactions," Proc. IFIP/Sec. '85, Dublin, 1985, (2: GRI-85), pp. 233-239.

Key Words: general, threats, guidelines.

ELB-89
El-Haghdadi, M., and M.P. Singh
"The Pivotal Role of Computer Security," Security Management, July 1989, pp. 63.

Key Words: awareness, general.

ELM-88
Elmer-DeWitt, P.
"Invasion of the Data Snatchers," Time, September 28, 1988, pp. 62-67.

Key Words: hackers, threats.

ELO-88
Eloff, J.H.P.
"Computer Security Policy: Important Issues," Computers & Security, December 1988, pp. 559-562.

Key Words: awareness, policy.

EMM-84
Emmet, A.
"Thwarting the Data Thief," Personal Computing, January 1984, pp. 98-105.

Key Words: hackers, threats.

EPN-85
Epner, S.A.
"Computer Security: Plenty of Questions But No Easy Answers," The Office, March 1985, pp. 74-76.

Key Words: awareness, policy.

EPP-80
Epperly, E.V.
"Trends in DoD Directives: Survey of Federal Computer Security Policies," Proceedings, U.S. Army 3d Automation Security Conference, Williamsburg, VA, December 1980, International Business Services, Inc., pp. 31-44.

Key Words: policy, government.

ERI-83
Eriksson, A.
"Vulnerability in a Computerized Society," Proc. IFIP/Sec. '83, Stockholm, 1983, (2: FAK-83), pp. 27-30.

Key Words: awareness, threats.

ERM-89
Erman, M.D., M.B. Williams, and C. Gutierrez
Computer Ethics and Society, Oxford University Press, New York, 1989.

Key Words: ethics, policy.

EWI-88
Ewing, D.
"Meeting Data Security Needs," Proc. IFIP/Sec. '88, Australia, 1989, (2: CAE-89), pp. 291-302.

Key Words: awareness, policy.

FAK-88
Fak, V.
"Are We Vulnerable to Virus Attack," Computers & Security, April 1988, pp. 151-155.

Key Words: computer viruses, threats.

FAU-81
Faurer, L.D.
"Keeping the Secrets Secret," Government Data Systems, Nov./Dec. 1981, pp. 14-17.

Key Words: awareness, policy, government, guidelines.

FAU-83
Faurer, L.D.
"Information Protection in Federal and Private Sectors," Computer Security Journal, Fall/Winter 1983, pp. 89-95.

Key Words: policy, government.

FAU-84
Faurer, L.D.
"Computer Security Goals of the Department of Defense," Computer Security Journal, Summer 1984, pp. 54-59.

Key Words: policy, government.

FEN-88

Fennelly, L.J. Handbook of Loss Prevention and Crime Prevention Butterworth Publishers, Stoneham, MA, 1988.

Key Words: general, guidelines, techniques.

FIF-89

Fifield, K.J. "Smartcards Outsmart Computer Crime," Computers & Security, May 1989, pp. 247-255.

Key Words: crime, techniques.

FIT-84

Fitzgerald, K.J. "Crime in Australia," EDPACS, August 1984, pp. 1-7.

Key Words: crime, general, international.

FIT-86

Fitzgerald, K.J. "Security in the Automated Office," Computer Control Quarterly, Summer 1986, pp. 21-24.

Key Words: policy, guidelines.

FIT-89

Fites, P., P. Johnson and M. Kratz The Computer Virus Crisis, Van Nostrand Reinhold Co., New York, 1989

Key Words: book, threats, computer viruses.

FOR-82

Fordyce, S. "Computer Security: A Current Assessment," Computers & Security, January 1982, pp. 9-16.

Key Words: awareness, general.

FOR-89

Forcht, K.A. "Ethical Use of Computers," Proc. 12th Natl. Comp. Sec. Conf. (5: NCS-89), 1989, pp. 624-626.

Key Words: awareness, ethics.

FRE-84

Freed, R.N. "Security Interests in the Computer Age: Practical Advice to the Secured Lender," Banking Laws Journal, July/Aug. 1984, pp. 404-429.

Key Words: awareness, guidelines.

FRE-84a

Freese, J. "What About Your Legal Parachute When Your Data Security Crashes?," Proc. IFIP/Sec. '84, Toronto, 1984, (2: FIN-85), pp. 23-28.

Key Words: awareness, laws.

FUL-84

"Computer Abuse: The Emerging Crime and Need for Legislation," Fordham Urban Laws Journal, 1983/84, pp. 73-101.

Key Words: crime, laws.

GAO-82

Federal Information Systems Remain Highly Vulnerable to Fraudulent, Wasteful, Abusive and Illegal Practices, MSAD-82-50, U.S. General Accounting Office, Washington, DC, 21 April 1982.

Key Words: crime, threats, government, general.

GAR-89

Gardner, P.E. "The Internet Worm: What Was Said and When," Computers & Security, June 1989, pp. 291-296.

Key Words: computer viruses.

GEM-80

Gemigniani, M. "Crime: Laws in the '80," Indiana Laws Review, April 1980, pp. 681-723.

Key Words: crime, laws.

GEM-81

Gemignani, M.C. Laws and the Computer, CBI Publishing, Boston, 1981.

Key Words: crime, laws.

GEM-89

Gemignani, M. "Viruses and Criminal Laws," Communications of the ACM, June 1988, pp. 669-671.

Key Words: computer viruses, threats, laws.

GLR-83

"Larceny Enters the Electronic Age: The Problem of Detecting and Preventing Crimes," Gonzaga Laws Review, 1982/83, pp. 517-538.

Key Words: crime, laws.

GOL-81 Goldstein, B.

A Pocket Guide to Computer Crime Investigation, Assets Protection Publishing, Madison, WI, 1981.

Key Words: crime, laws.

GOL-83

Goldstein, B. "Crime and Its Prevention," Computers & Security, January 1983, pp. 63-66.

Key Words: crime, laws, guidelines, policy.

GON-83

Gonzales, P. "Addressing Crime Legislation," Computer/Laws Journal, Summer 1983, pp. 195-206.

Key Words: crime, laws.

GOS-85
Gosler, J.R.
"Software Protection: Myth or Reality," Proc. Crypto '85, Santa Barbara, 1985, (9: WIL-86), pp. 140-157.

Key Words: software piracy.

GOU-85
Goussy, A.R.
"Legal Issues in Proprietary Security," Journal of Security Administ., December 1985, pp. 23-29.

Key Words: policy, laws.

GRA-84
Graham, R.L.
"The Legal Protection of Computer Software," Communications of the ACM, May 1984, pp. 422-426.

Key Words: software piracy.

GRE-82
Greenlee, M.B.
"Financial (Banking) View of Computer Security," Proc. 5th Seminar, DoD Comp. Sec. Progr. (5: DOD-82), 1982, pp. 167-176.

Key Words: awareness, policy.

GRE-84
Greguras, F.M.
"Technical and Other Practical Software Protection Measures," TeleSystems Journal, March/April 1984, pp. 28-32.

Key Words: policy, techniques.

GRE-84a
Greguras, F.M.
"Software Protection: Beyond Copyright," Computerworld, Dec. 12, 1983, pp. ID25-ID32.

Key Words: software piracy.

GUY-81
Guynes, S.
"Software Security: Legal Aspects and Traditional Considerations," Journal of Systems Management, April 1981, pp. 34-38.

Key Words: awarenss, laws.

GUY-83
Guynes. V.
"EFTS Impact on Computer Security," Computers & Security, January 1983, pp. 73-77.

Key Words: awareness, policy.

HAF-88
Hafner, K.M., et al.
"Is Your Computer Secure," Business Week, August 1, 1988, pp. 64-72.

Key Words: awareness, general.

HAM-84
Hammond, R.G.
"Theft of Information," The Laws Quarterly Review, April 1984, pp. 252-264.

Key Words: crime, laws, threats.

HAN-89
Hankinson, A.L.
"Computer Assurance: Security, Safety and Economics," Proc. COMPASS '89: Comp. Assurance (2: IEE-89), 1989, pp. 1-7.

Key Words: general, guidelines.

HAR-82
Harris, B.
"Data Security: Plan for the Worst," Infosystems, June 1982, pp. 52-58.

Key Words: awareness, general, policy.

HAR-83
Hartson, D.R.
"Teaching Protection in Computing: A Research-Oriented Graduate Course," Computers & Security, November 1983, pp. 248-255.

Key Words: awareness, general.

HAR-83a
Harari, A.
"Education and Training of Computer Security Staff: Methodology and Course Topics," Proc. IFIP/Sec. '83, Stockholm, 1983, (2: FAK-83), pp. 287-292.

Key Words: awareness, general.

HAR-85
Harry, M.
The Computer Undeground, Loompanics Unlimited, Port Townsend, WA, 1985.

Key Words: book, hackers, threats.

HEL-88
Helfant, R., and G.J. McLoughlin
Computer Viruses: Technical Overview and Policy Considerations, CRS Report to the Congress, No. 88-556 SPR, Congressional Research Service, Washington, DC, December 15, 1988.

Key Words: computer viruses, policy.

HEL-89
Helsing, C., M. Swanson, and M.A. Todd
Executive Guide to the Protection of Information Resources, SP 500-169, National Institute of Standards and Technology, Gaithersburg, MD, October 1989.

Key Words: guidelines, policy, government.

HEL-89a
Helsing, C., M. Swanson, and M.A. Todd Management Guide to the Protection of Information Resources, SP 500-170, National Institute of Standards and Technology, Gaithersburg, MD, October 1989.

Key Words: guidelines, policy.

HEL-89b
Helsing, C., M. Swanson, and M.A. Todd Computer User's Guide to the Protection of Information Resources, SP 500-171, National Institute of Standards and Technology, Gaithersburg, MD, October 1989.

Key Words: guidelines, techniques.

HER-84
Herschberg, I.S., and R. Paans "The Programmer's Threat: Cases and Causes," Proc. IFIP/Sec. '84, Toronto, 1984, (2: FIN-85), pp. 409-422.

Key Words: threats, crime.

HER-87
Herschberg, I.S. "Hackers' Comfort," Computers & Security, April 1987, pp. 133-138.

Key Words: crime, hackers.

HER-88
Herschberg, I.S. "Make the Tigers Hunt for You," Computers & Security, April 1988, pp. 197-203.

Key Words: crime, hackers.

HHS-83
Computer Related Fraud and Abuse in Government Agencies, Office of the Inspector General, U.S. Dept. of Health and Human Services, Washington, DC, 1983.

Key Words: crime, government, threats.

HIG-89
Higgins, J.C. "Information Security as a Topic for Undergraduate Education for Computer Scientists," Proc. 12th Natl. Comp. Sec. Conf. (5: NCS-89), 1989, pp. 553-557.

Key Words: awareness, guidelines.

HIG-89a
Highland, H.J. "What If a Computer Virus Strikes," EDPACS, July 1989, pp. 11-17.

Key Words: computer viruses, threats.

HJL-84
"Legislative Issues in Crime," Harvard Journal on Legislation, Winter 1984, pp. 239-254.

Key Words: crime, legislation.

HOF-82
Hoffman, L.J. "Impacts of Information System Vulnerabilities on Society," Proceedings, 1982 National Computer Conference, AFIPS Press, Reston, VA, 1982, pp. 461-467.

Key Words: awareness, threats.

HOF-86
Hoffman, K.J., and L.M. Moran "Societal Vulnerability to Computer System Failures," Computers & Security, September 1986, pp. 211-217.

Key Words: awareness, threats, vulnerabilities

HOL-80
Holman, W.D. "Remedies Available to Victims of Crimes," Proc. Comp. Sec. & Priv. Symp., 1980 (1: HON-80), pp. 77-86.

Key Words: crime, policy.

HON-80
Computer Security and Privacy Symposium Proceedings, Honeywell Information Systems, Phoenix, AZ, April 1980.

Key Words: proceedings, general.

HON-81
Computer Security and Privacy Symposium Proceedings, Honeywell Information Systems, Phoenix, AZ, April 1981

Key Words: proceedings, general.

HOR-85
Horgan, J. "Thwarting the Information Thieves," IEEE Spectrum, July 1985, pp. 30-41.

Key Words: crime, threats, laws.

HOW-82
Howe, C.L. "Coping with Computer Criminals," Datamation, January 1982, pp. 118-126.

Key Words: crime, laws, guidelines.

HUB-86
Huband, F.L., and
R.D. Shelton
Protection of Computer Systems and Software, Laws & Business, Inc., Clifton, NJ, 1986.

Key Words: book, general, policy, guidelines, techniques.

HUN-87
Hunt, D.B., and
F.G. Tompkins
"Protecting Sensitive Systems and Data in an Open Agency," AIAA 97-3092, Proc. 3d Aerospace Comp. Sec. Conf. (5: IEE-87b), 1987, pp. 158ff.

Key Words: policy, guidelines.

IBM-83
Report on the Data Security Leaders' Conference, San Jose, CA, April 1982, IBM Corp., White Plains, NY, 1983.

Key Words: proceedings, general. guidelines, techniques.

IBM-86
Security, Auditability, Systems Control Publications Bibliography, G320-9279-1, IBM Corp., White Plains, NY, May 1986.

Key Words: awareness, general.

ING-80
Ingraham, D.G.
"On Charging Crime," Computer/Laws Journal, Spring 1980, pp. 429-456.

Key Words: crime, laws, guidelines.

IRM-84
"Information Security and Data Integrity. Special Issue," Information Resource Management, (UK), March 1984.

Key Words: awareness, general.

ISR-87
Israel, H.
"Computer Viruses: Myth or Reality?, Proc. 10th Natl. Comp. Sec. Conf. (5: NCS-87a), 1987, pp. 226-230.

Key Words: computer viruses, threats, awareness, guidelines.

JAC-80
Jacks, E.L.
"Computer Security Interest in the Private Sector," Proc. 2nd Seminar, DoD Comp. Sec. Progr. (5: DOD-80a), 1980, pp. E1-E10.

Key Words: awareness, policy.

JAS-83
Jaslow, M.D.
"How to Fight Computer Fraud," EDPACS, July 1983, pp. 6-9.

Key Words: crime, policy, guidelines.

JOH-85
Johnson, D.G.
Computer Ethics, Prentice-Hall, Englewood Cliffs, NJ, 1985

Key Words: awareness, ethics.

JON-88
Jones, L.G.
"Computer Viruses: Threat or Media Hype?," The EDP Auditor Journal, Vol. 3, 1988.

Key Words: computer viruses, awareness, threats.

KAN-89
Kane, P.
V.I.R.U.S.: Vital Information Resources Under Siege, Bantam Books, New York, 1989.

Key Words: virus, threats, awareness, guidelines.

KAP-84
Kaperonis, I.
"Industrial Espionage," Computers & Security, May 1984, pp. 117-122.

Key Words: awareness, threats, guidelines, techniques.

KAY-86
Kay, R.
"Computer Security Information Sources," Computer Security Journal, Vol. 4, No. 1, 1986, pp. 29-40.

Key Words: awareness, general.

KAY-86a
Kay, R. (Ed.)
"Data Security Scoreboard," Computer Security Journal, Vol. 4, No. 1, 1986, pp. 41-54.

Key Words: awareness, general.

KEL-88
Kelley, D.W.
"A Guide to Cost-Effective PC Security," Security Management, October 1988, pp. 55-58.

Key Words: guidelines, policy, PC.

KEN-85

Kenny, J.J.P.
Data Privacy and Security, Pergamon Infotech, Oxford, 1985.

Key Words: book, general, policy, guidelines, techniques.

KIR-81

Kirchner, J.
"Vulnerability: Will the U.S. Confront Its Systems' Flaws?," Computerworld, December 28, 1981, pp. 36-32.

Key Words: vulnerabilities, awareness, threats.

KIR-83

Kirby, M.D.
"Computer Crime and Law Reform in Australia," Information Age (UK), October 1983, pp. 241-247.

Key Words: crime, laws, policy, international.

KLI-80

Kling, R.
"Computer Abuse and Computer Crime as Organizational Activities," Computer/Law Journal, Spring 1980, pp. 403-427.

Key Words: crime, threats, policy.

KNA-83

Knapp, T.J.
"Selling Data Security to Upper Management," Data Management, July 1983, pp. 22-25.

Key Words: policy, guidelines.

KRA-88

Kratz, M.
"Computer Crime Legislation in Canada" Proc. IFIP/Sec. '88, Australia, 1989, (2: CAE-89), pp. 101-118.

Key Words: crime, international, legislation.

KRA-88a

Kratz, M.
"Industrial Espionage and Theft of Information," Proc. IFIP/Sec. '88, Australia, 1989, (2: CAE-89), pp. 279-289.

Key Words: crime, threats, laws.

KRI-80

Krieger, M.M.
"Current and Proposed Computer Crime Legislation," Computer/Law Journal, Summer 1980, pp. 721-771.

Key Words: crime, threats, laws.

KRU-86

Krull, A.
"Ten Losing Strategies for Data Security," Computer Security Journal, Vol. 4, No. 1, 1986, pp. 21-28.

Key Words: awareness, general, policy, guidelines.

KUO-87

Kuong, J.F.
"Computer Disasters and Corporate Amnesia and Corporate Paralysis," CPR-J: Contingency Planning & Recovery Journal, No. 4, 1987, pp. 1-4.

Key Words: Awareness, threats, vulnerabilities, policy.

KUO-88

Kuong, J.F.
"Computer Viruses -- Are They a Threat to Business Continuity?," CPR-J: Contingency Planning & Recovery Journal, No 2, 1988, pp. 5-7.

Key Words: viruses, threats, awareness, policy.

KUR-82

Kurzban, S.A.
"A Selective, Slightly Annotated Bibliography on Works on Data Security and Privacy," Computers & Security, January 1982, pp. 57-64.

Key Words: awareness, general.

KUR-86

Kurzban, S.A.
"Careers in Computer Misuse -- Not So Appealing After All," Computers & Society, Winter 1986, pp. 7-9.

Key Words: general, crime, threats.

LAN-85

Landreth, B.
(with H. Rheingold)
Out of the Inner Circle, Microsoft Press, Bellevue, WA, 1985

Key Words: book, hackers, general, vulnerabilities.

LAS-81

Lasden, M.
"Computer Crime," Computer Decisions, June 1981, pp. 104-124.

Key Words: awareness, crime, threats, general.

LAU-88

Laureson, A.
"Keeping Your PCs Where They Belong," Security Management, July, 1988, pp. 53-55.

Key Words: guidelines, PC, policy.

LEE-86

Lee, J.A.N., G. Segal, and R. Steier
"Positive Alternatives: A Report on an ACM Panel on Hacking," Communications of the ACM, April 1986, pp. 297-299.

Key Words: hackers, general, policy.

LEH-82
Lehman, R.L.
"Tracking Potential Security Violations," Security Audit & Control Review, Winter 1981/82, pp. 26-39.

Key Words: policy, guidelines.

LOB-81
Lobel, J.
"The Foreign Corrupt Practices Act Applied to Information Systems," Proc. Comp. Sec. & Priv. Symposium, Phoenix, AZ, 1981 (1: HON-81), pp. 69-78.

Key Words: legislation, policy.

LOB-83
Lobel, J.
"The State-of-the-Art In Computer Security," Computers & Security, November 1983, pp. 218-222.

Key Words: awareness, techniques.

LOB-86
Lobel, J.
"Impact of Technology on Computer Security," Information Age, (U.K.) April 1986, pp. 77-80.

Key Words: general, techniques.

LON-87
Longley, D., and M. Shain
Data & Computer Security: Dictionary of Standards and Terms, Stockton Press, New York, 1987

Key Words: book, guidelines, laws, general, policy.

LOU-84
Louwerse, C.P., and J.M.L. Kouwenberg•
"Data Protection Aspects in an Integrated Hospital Information System," Computers & Security, November 1984, pp. 286-294.

Key Words: general, guidelines, policy, techniques.

LYN-83
Lyndon, K.
"A New Policy in Protection -- Computer Crime Insured," Security World, January 1983, pp. 38-40.

Key Words: general, policy.

MAD-88
Madsen, C.
"The World Meganetwork and Terrorism," Proc. IFIP/Sec. '88, Australia, 1989, (2: CAE-89), pp. 343-349.

Key Words: awareness, policy, threats, international.

MAN-84
Mantle, R.A.
"Trade Secret and Copyright Protection of Computer Software," Computer/Law Journal, Spring 1984, pp. 669-694.

Key Words: software piracy, laws.

MAR-83
Marbach, W.D., et al.
"Beware: Hackers at Play," Newsweek, Sept. 5, 1983, p. 5+.

Key Words: awareness, hackers, crime, threats.

MAR-84
Martin, W.P.
"Arresting Computer Crime," Interface Age, (U.K.) February 1984, pp. 71-75

Key Words: crime, laws, threats, guidelines.

MAR-88
Marx, P.
"The Legal Risks of Using Information as a Competetive Weapon," Software Law Journal, Spring 1988, pp. 185-201.

Key Words: awareness, general, policy, laws.

MAX-85
Maxfield, J.F.
"Computer Bulletin Boards and the Hacker Problem," EDPACS, October 1985, pp. 1-11.

Key Words: hackers, threats.

MAY-85
Mayo, K.
"Business Battles In-House Pirates," Business Computer Systems, February 1985, pp. 60-65.

Key Words: software piracy.

MCA-89
McAfee, J., and C. Haynes
Computer Viruses, Worms, Data Diddlers, Killer Programs, and Other Threats to Your System, St. Martin's Press, New York, 1989.

Key Words: book, viruses, threats, vulnerabilities.

MCA-89a
McAfee, J.D.
"Managing the Virus Threat," Computerworld, February 13, 1989, pp. 89-96.

Key Words: viruses, threats.

MCI-81
McIsaac, D.
"Introduction to Computers: Security Problems and Considerations," Assets Protection, November/December 1981, pp. 13-22.

Key Words: awareness, general, threats, policy.

MCL-88
McLeod, K.
"Computer Insecurity," Information Age, (U.K.), April 1988, pp. 89-93.

Key Words: awareness, general, crime, threats.

MIL-85
Millard, C.J.
Legal Protection of Computer Programs and Data, Carswell Co., Ltd, Toronto, 1985.

Key Words: software piracy, laws.

MIS-85
Miskiewicz, J.
"DP Security: A Delicate Balance," Computer Decisions, April 23, 1985, pp. 104ff.

Key Words: awareness, general, policy.

MOS-88
Mosaccio, J.
"Computer Sites: Assessing the Threat," Security Management, July 1988, pp. 40-51.

Key Words: vulnerabilities, threats, general.

MOU-81
Moulton, R.T.
"System Security Standards," Computer Security Journal, Spring 1981, pp. 73-82.

Key Words: general, guidelines.

MOU-81a
Moulton, R.T.
"Prevention: Better Than Protection," Government Data Systems, Nov./Dec. 1981, pp. 20-23.

Key Words: awareness, general, guidelines, policy.

MOU-82
Moulton, R.T.
"A Strategy for Dealing with Computer Fraud and Abuse," Computer Security Journal, Winter 1982, pp. 31-40.

Key Words: crime, threats, policy, guidelines.

MUR-86
Murphy, I.
"Aspects of Hacker Crime: High-Technology Tomfoolery or Theft?," Information Age, (U.K.) April 1986, pp. 69-73.

Key Words: crime, policy, laws, hackers, threats.

MUR-86a
Murray, W.H.
"Security Concepts and the New Computer Economics," Computer Security Journal, Vol. 4, No. 1, 1986, pp. 7-14.

Key Words: general, policy.

MYE-83
Myers, J.
"Fraud and Computers," New Law Journal, January 21, 1983, pp. 71-72.

Key Words: crime, threats, laws.

NAF-80
Naftalis, G.P.
White Collar Crimes, American Law Institute and American Bar Association, Philadelphia, PA, 1980.

Key Words: book, crime, general.

NBS-80
Guidelines for Security of Computer Applications, FIPS PUB 73, National Bureau of Standards, Gaithersburg, MD, June 1980.

Key Words: general, guidelines, techniques, policy.

NEU-86
Neugent, W.
"Preposterous Opinions About Computer Security," Security, Audit & Control Review, Summer 1986, pp. 1-8.

Key Words: awareness, general.

NOR-83
Norman, A.R.D.
Computer Insecurity, Chapman and Hall, London, 1983.

Key Words: book, awareness, general, threats.

NOR-84
Norman, A.
"Crime by Computer," Information Resources Management (UK), March 1984, pp. 18-21.

Key Words: crime, threats, general, policy.

NYE-81
Nye, J.M.
"A Primer on Security, Part 1," Mini-Micro Systems, June 1981, pp. 139-148.

Key Words: awareness, general.

NYE-81a
Nye, J.M.
"A Primer on Security, Part 2," Mini-Micro Systems, July 1981, pp. 166-174.

Key Words: awareness, general.

OLI-85
Oliver, C.R.
"A Psychological Approach to Preventing Computer Abuse -- A Case History," Computer Security Journal, Winter 1985, pp. 51-56.

Key Words: crime, threats, laws, guidelines, policy.

OMB-85

Management of Federal Information Resources, OMB Circular No. A-130, Office of Management and Budget, Washington, DC, December 1985.

Key Words: government, policy.

OTA-81

Computer-Based National Information Systems: Technology and Public Policy Issues, Office of Technology Assessment, Washington, DC, September 1981.

Key Words: government, policy, guidelines, laws.

OTA-86

Intellectual Property Rights in an Age of Electronics and Information, OTA-CIT-302, U.S. Congress, Office of Technology Assessment, Washington, DC, April 1986

Key Words: government, policy, legislation.

PAR-80

Parker, D.B.
"Computer Abuse Research Update," Computer/Law Journal, Spring 1980, pp. 329-352.

Key Words: crime, threats, policy, awareness, laws.

PAR-81

Parker, D.B.
Ethical Conflicts in Computer Science and Technology, AFIPS Press, Reston, VA, 1981.

Key Words: general, policy, ethics.

PAR-83

Parker, D.B.
Fighting Computer Crime, Charles Scribner's Sons, New York, 1983.

Key Words: crime, general, policy, guidelines, laws.

PAR-83a

Parker, D.B.
"How Much Computer Abuse Is There?" Computer Security Journal, Spring 1983, pp. 85-89.

Key Words: crime, general, threats, awareness.

PAR-84

Parker, D.B.
"A Strategy for Preventing Program Theft and System Hacking," Computer Security Journal, Summer 1984, pp. 21-32.

Key Words: hackers, crime, threats, policy, guidelines.

PAR-84a

Parker, D.B., and
S.H. Nycum
"Computer Crime," Communications of the ACM, April 1984, pp. 313-315.

Key Words: crime, threats, general, awareness, guidelines.

PER-84

Perry, T., and P. Wallich
"Can Computer Crime Be Stopped?," IEEE Spectrum, May 1984, pp. 34-49.

Key Words: crime, policy, laws.

POD-86

Podell, H.G., and
M.W. Abrams
"Computer Security Glossary for the Advanced Practitioner," Computer Security Journal, Vol. 4, No. 1, 1986, pp. 69-88

Key Words: guidelines, general.

REB-86

Reber, J.
"The Essence of Industrial Espionage," Data Processing & Communications Security, Winter 1986, pp. 24-25.

Key Words: awareness, general, threats, laws.

RIC-84

Richards, T.C.
"A Computer Fraud Survey," ACM Security Audit & Control Review, Spring-Sum. 1984, pp. 17-23.

Key Words: awareness, computer crime, general, threats.

RIC-86

Richards, R.M., and
J.L. Guynes
"A Strategic Plan for Reducing Consumer Anxiety About EFTS Security," Security, Audit & Control Review, Spring 1986, pp. 4-8.

Key Words: awareness, policy.

RIC-86a

Richards, R.M.
"Insuring Computer Risks," Computers & Security, September 1986, pp. 207-210.

Key Words: policy, guidelines.

RIC-86b

Richards, T.C.
"A Historical Perspective of Computer Related Fraud," Security, Audit & Control Review, Summer 1986, pp. 15-25.

Key Words: crime, threats, awareness, general.

ROB-88

Roberts, R.
Computer Viruses, Compute! Books, Greensboro, NC, 1988

Key Words: book, viruses, threats.

ROB-88a

Roberts, W.
"Remember to Lock the Door: MMI and the Hacker," Information Age, (U.K.), July 1988, pp. 146-150.

Key Words: hackers, awareness, threats, guidelines.

ROS-85
Ross, S.J. (Ed.)
"Computer Security Issues: A Roundtable," Computer Security Journal, Winter 1985, pp. 39-50

Key Words: awareness, policy.

SAM-85
Samociuk, M.
"Hacking or the Art of Armchair Espionage," Computer Fraud and Security Bulletin, July 1985.

Key Words: hacking, crime,

SAT-89
Sato, O.
"Controlling End-User Computing: An Analytical Framework," ACM Security, Audit and Control Review, Fall 1989, pp. 6-12.

Key Words: policy, guidelines.

SCH-80
Schulte, L.A.
"Computer Crime Bibliography," Computer/Law Journal, Summer 1980, pp. 787-803.

Key Words: awareness, general, crime, guidelines.

SCH-83
Schwartz, M.B.
"Safeguarding EFTS," Datamation, February 1983, pp. 148-160.

Key Words: policy, guidelines, techniques.

SCH-84
Schmucker K.J.
"Computer Crime: Fiction and Science Fact," Abacus, Spring 1984, pp. 8-21.

Key Words: awareness, crime.

SCH-84a
Scherer, M.E.
"Unsafe Software -- The Missing Security Perspective," Computer Security Journal, Summer 1984, pp. 43-52.

Key Words: awareness, threats.

SCH-85
Schweitzer, J.A.
"A Management View: Computer Security as a Discretionary Decision," Computers & Security, March 1985, pp. 13-22.

Key Words: policy, guidelines.

SCH-86
Schweitzer, J.A.
"Who Owns Information Security?" Security, Audit & Control Review, Spring 1986, pp. 1-3.

Key Words: awareness, general.

SCH-86a
Schweitzer, J.A.
Computer Crime and Business Information, Elsevier, New York, 1986

Key Words: crime, threats.

SEC-86
"How Business Battles Crime by Computer," Security World, October 1986, pp. 54-60.

Key Words: crime, policy.

SEC-89
"10 Top Security Trends,"Security, February 1989, pp. 47-51.

Key Words: policy, techniques.

SEI-84
Seif, R.A.
"Contingency Planning in the Banking Community," Computers & Security, February 1984, pp. 29-34.

Key Words: awareness, policy.

SER-83
"Industrial Espionage," Security World, April 1983, pp. 33-39.

Key Words: crime, threats.

SEW-84
Sewell, C.
"Screening Out The People Problem," Security World, October 1984, pp. 50-52.

Key Words: policy, guidelines.

SEY-85
Seymour, J.
"Locking Up Your Information Assets," Today's Office, April 1985, p. 23ff.

Key Words: policy, guidelines.

SIE-87
Sieber, U.
The International Handbook on Computer Crime: Computer-Related Economic Crime and the Infringements of Privacy, J. Wiley & Sons, Somerset, NJ, 1987

Key Words: crime, threats, general, international.

SIL-83
Silverman, M.E.
"Selling Security to Senior Management, DP Personnel and Users," Computer Security Journal, Fall/Winter 1983, pp. 7-18.

Key Words: awareness, general, policy, guidelines.

SIL-85

Silverman, M.E.
"Strategic Planning -- The Missing Link in Computer Security" Computer Security Journal, Winter 1985, pp. 31-38.

Key Words: policy, guidelines.

SIM-81

Simkin, M.C.
"Computer Crime: Lessons and Directions," The CPA Journal, December 1981, pp. 10-14.

Key Words: crime, threats, policy.

SMA-84

"Controlling Computer Crime," Security Managment, January 1984, pp. 19-34.

Key Words: crime, policy, techniques.

SMI-83

Smith, T.H.
"Computers and the Law of Evidence," Transnational Data Report, December 1983, pp. 451-454.

Key Words: crime, policy, laws.

SOK-90

Sokolik, S.L.
"Computer Crime -- The Need for Deterrent Legislation," Computer/Law Journal, Spring 1980, pp. 333-383.

Key Words: crime, legislation.

STA-84

Staikos, N.
"Designs for Computer Security," Security World, March 1984, pp. 52-55.

Key Words: policy, guidelines, techniques.

STA-85

Stanley, P.M.
"Educating Computer Crime Investigators," Proc. IFIP/Sec. '85, Dublin, 1985, (2: GRI-85), pp. 313-322.

Key Words: crime, guidelines.

STA-86

Straub, D.W.
"Computer Abuse and Security: Update of an Empirical Pilot Study," Security, Audit & Control Review, Spring 1986, pp. 21-31.

Key Words: crime, guidelines, techniques.

STR-88

Straub, D.W., and W.D. Nance
"Uncovering and Disciplining Computer Abuse: Organizational Responses and Options," Information Age, (U.K.), July 1988, pp. 151-156.

Key Words: crime, policy, threats, guidelines.

TUR-82

Turn, R.
"Private Sector Needs for Trusted/Secure Computer Systems," Proceedings, 1982 National Computer Conference, AFIPS Press, Reston, VA, 1982, pp. 449-460.

Key Words: policy, guidelines.

TUR-85

Turner, B.M.
"Terrorist Attacks Upon Technological Systems," Journal of Security Administration, December 1984, pp. 25-32.

Key Words: crime, threats.

TUR-86

Turn, R.
"Security and Privacy Requirements in Computing," Proc., ACM/IEEE Fall Joint Computer Conference, November 1986, pp. 1106-1113.

Key Words: policy, guidelines.

TUR-86a

Turn, R.
"Security, Privacy, Safety andResiliency in Computing," in J. Skwirzynski (Ed.), Software Design Methods, NATO ASDI Series Volume F22, Springer-Verlag, New York, 1986, pp. 653-679.

Key Words: policy, guidelines, techniques.

VAN-84

Van Hoboken, W.R.C.
"The Burglar's Viewpoint," Computers & Security, November 1984, pp. 295-302.

Key Words: crime, threats.

VAN-85

van Tongeren, H.
"Information Security in the Framework of the International Information Flow Debate: A Business View," Proc. IFIP/Sec'85 (2: GRI-85), pp. 323-328.

Key Words: policy, guidelines, international.

VOL-80

Volgyes, M.R.
"The Investigation, Prosecution and Prevention of Computer Crime: A State of the Art Review," Computer/Law Journal, Spring 1980, pp. 385-402.

Key Words: crime, guidelines, policy, laws.

VOL-83
Volkman, T.C.
"Computers -- America's Achilles' Heel," Air University Review, May-June 1983, pp. 43-47.

Key Words: vulnerabilities, threats.

WAR-83
Ware, W.H.
"Computer Security Standards for Government and Industry: Where Will They Come From?," Computer Security Journal, Spring 1983, pp. 71-76.

Key Words: policy, guidelines, government.

WAR-84
Ware, W.H.
"Information Systems Security and Privacy," Communications of the ACM, April 1984, pp. 315-312.

Key Words: awareness, general.

WAR-88
Ware, W.H.
"Perspectives on Trusted Computer Systems," Proc. IFIP/Sec. '88, Australia, 1989, (2: CAE-89), pp. 309-330.

Key Words: awareness, general, techniques.

WEB-85
Webster, W.H.
"Technology Transfer, Industrial Espionage and Computer Crime: The Problems We Are Facing," Computer Crime Digest, January 1985, pp. 1-5.

Key Words: crime, guidelines, policy, techniques.

WEB-85a
Webster, W.H.
"Technology Transfer, Industrial Espionage, & Computer Crime: The FBI's Activities," Computer Security Journal, Winter 1985, pp. 7-12.

Key Words: crime, government, guidelines, policy.

WEI-82
Weiss, E.A.
"Self-Assessment Procedure Dealing With Ethics in Computing," Communications of the ACM, March 1982, pp. 181-195.

Key Words: awareness, ethics.

WEI-84
Weinberger, F.
"Computer Security: Plan for Action," TeleSystems Journal, March/April 1984, pp. 11-21.

Key Words: awareness, policy, guidelines.

WEL-86
Weller, R., and S. Wall
"Source Code Under Lock and Key," Computerworld, June 2, 1986, p. 69.

Key Words: guidelines, techniques.

WON-83
Wong, K.
"Computer-Related Fraud," Information Age (UK), January 1983, pp. 16+

Key Words: awareness, general, crime, threats,

WON-83a
Wong, K.
"Computer-Related Fraud in the U.K.," Information Age, (U.K.), October 1983, pp. 238-240.

Key Words: awareness, crime, international.

WON-84
Wong, K.
"Computer-Related Fraud in the U.K.," EDPACS, June 1984, pp. 5-9.

Key Words: awareness, crime, international.

WON-85
Wong, K.K.
"Computer Disaster in the United Kingdom," EDPACS, January 1985, pp. 1-7.

Key Words: awareness, crime, international.

WOO-82
Wood, M.
Introducing Computer Security, NCC Publications, Manchester, England, 1982.

Keyword: awareness, general.

YNG-88
Yngstrom, L.
"Experiences from a One-Year Academic Programme in Security Informatics," Proc. IFIP/Sec. '88, Australia, 1989, (2: CAE-89), pp. 83-86.

Keyword: awareness, general.

YOS-85
Yost, G.
Spy-Tech, Fact On File Pub., New York, 1985.

Key Words: awareness, general.

YOU-82
Yourdan, E.
Silent Witness, Yourdan Press, New York, 1982.

Key Words: awareness, general.

YOV-89
Yovel. S.
"On Viruses and Top Managers," Information Age, (U.K.), September 1989, pp. 202-210.

Key Words: awareness, viruses, guidelines.

ZAJ-85
Zajac, B.P., Jr.
"Police Response to Computer Crime in the United States," The Computer Law and Security Report, July-August 1985, pp. 16-17.

Key Words: crime, legislation.

ZAJ-86
Zajac, B.P., Jr.
"What to Do When You Have Reason to Believe Your Computer Has Been Compromised". Computers & Security, March. 1986, pp. 11-16.

Key Words: hackers, viruses, threats, guidelines.

ZAL-83
Zalud, B.
"Computer Criminals Will Be Prosecuted: Adoping A 'Prevention First' Approach," Data Management, April 1983, pp. 30+.

Key Words: crime, policy, guidelines.

ZIM-84
Zimmerman, J.S.
"The Human Side of Computer Security," Computer Security Journal, Summer 1984, pp. 7-20.

Key Words: awareness, general, threats, guidelines.

ZIM-85
Zimmerman, J.S.
"PC Security: So What's New?" Datamation, November 1, 1985, pp. 86-92

Key Words: awareness, general, PC.

2. Management

The section cites publications on various management issues, including: the need for security in mainframe, minicomputer and personal computer systems (risk management, risk analysis); administrative and personnel policies and controls; physical security in computing facilities; and operational (disaster) recovery. Also included are publications containing technical discussions of threats and vulnerabilities (e.g., viruses).

ADD-87
Addison, K., et al.
"Computer Security at SUN Microsystems, Inc.," Proc. 10th Natl. Comp. Sec. Conf., (5: NCS-87a), 1987, pp. 216-219.

Key Words: company, general, policy, management, techniques

AFC-85
Proceedings, Symposium on Physical/Electronic Security, AFCEA, 1986.

Key Words: proceedings, physical.

AFC-86
Proceedings, 2nd Annual Symposium on Physical/Electronic Security, AFCEA, Philadelphia, PA, August 1986.

Key Words: proceedings, physical.

AFC-87
Proceedings, 3d Annual Symposium on Physical/Electronic Security, AFCEA, 1987.

Key Words: proceedings, physical.

AIM-81
AIM/SAFE: A Data Processing Contingency Planning Methodology, Advanced Information Management, Inc., Woodbridge, VA, 1981.

Key Words: guidelines, recovery, techniques.

ALD-88
Aldridge, B.T.
"Preliminary Formulation of a Policy Based on Risk (PBR) Asessment Methodology," Proc. Comp. Sec. Risk Manag. Model Builders Workshop, 1988 (2: NBS-88), pp. 225-242.

Key Words: risk, policy, methods.

ALK-89
Alkemi
Computer Risk Manager, Elsevier Advanced Technology New York, NY, 1989.

Key Words: risk, management, methods.

ALL-81
Allen, B.R.
"Threat Teams: A Technique for the Detection and Prevention of Fraud in Automated and Manual Systems," Computer Security Journal, Spring 1981, pp. 1-13.

Key Words: guidelines, techniques.

ALS-86
Al-Saffar, H.
"Using SMF Data for Audit Purposes," EDPACS, February 1986, pp. 1-14.

Key Words: auditing, methods.

ANC-83
Ancker, A.
"Facilities for Computers and Office: Security Conscious Planning," Proc. IFIP/Sec. '83, Stockholm, 1983, (2: FAK-83), pp. 143-146.

Key Words: guidelines, physical.

AUS-81
Austin, B.B.
"Controlling Physical Access from a Central Locations," Computer Security Journal, Spring 1981, pp. 83-98.

Key Words: physical, control, techniques.

BAD-89
Badenhorst, K.P., and J. Eloff
"Framework of a Methodology for the Life Cycle of Computer Security in an Organization," Computers & Security, August 1989, pp. 433-442.

Key Words: general, methods.

BAK-85
Baker, R.H.
The Computer Security Handbook, TAB Professional and Reference Books, Blue Ridge Summit, PA, 1985.

Key Words: book, geberal, techniques.

BAL-87
Baldwin, R.W.
"Rule Based Analysis of Computer Security," Proceedings, IEEE Compcon 1987, pp. 227-233.

Key Words: general, methods.

BAR-80
Barbarino, P.
"Multi-Tiered Approach to System Security," Proc. 1980 IEEE Symp. on Security & Privacy, (5: IEE-80), pp. 114-120.

Key Words: general, method, techniques.

BEA-84
Beatman, L.
"Microcomputer in the Audit Function," EDPACS, September 1984, pp. 4-6.

Key Words: auditing, methods.

BEA-85
Beatson, J.G.
"Development and Organization of the Audit and Security Function," Proc. IFIP/Sec. '85, Dublin, 1985, (2: GRI-85), pp. 251-259.

Key Words: audit, management.

BEA-86
Beatson, J.G.
"Managing the EDP Audit and Security Function," Computers & Security, September 1986, pp. 201-206.

Key Words: audit, management.

BEC-83
Becker, H.B.
Information Integrity: A Structure for Its Definition and Management, McGraw-Hill, New York, 1983

Key Words: book, integrity, general, methods, guidelines.

BEC-84
Becker, H.B.
"Security Considerations in the Small Systems Environment," Proc. IFIP/Sec. '84, Toronto, 1984, (2: FIN-85), pp. 501-516.

Key Words: general, guidelines.

BEI-84
Beitman, L.
"An Audit Software Program Base," EDPACS, March 1984, pp. 6-8.

Key Words: auditing, software.

BEN-89
Benzel, T.C.V.
"Integrating Security Requirements and Software Development Standards," Proc. 12th Natl. Comp. Sec.Conf. (5: NCS-89), 1989, pp. 435-458.

Key Words: methods, software

BER-83
Bermhed, L.
"A Method for Testing Vulnerability," Proc. IFIP/Sec. '83, Stockholm, 1983, (2: FAK-83), pp. 161-166.

Key Words: vulnerability, methods.

BER-83a
Bernhard, R.
"Foiling the Spoofers, Trap-Doors, Trojan Horses...," Systems and Software, April 1983, pp. 67-68.

Key Words: hackers, threats, methods.

BER-83b
Bernstein, R.A.
"Contingency Planning -- A Case Study," EDPACS, October 1983, pp. 9-12.

Key Words: contingency, methods.

BER-84
Berg, R.
"Risk Management for Computer Centers," Informormation Resource Management (U.K), March 1984, pp. 16-17.

Key Words: risk, management, methods.

BES-88
Bessenhoffer, R.
"Designing Security Into a Modern Data Processing Center," Computer Security Journal, Volume V, No. 1, 1988, pp. 53-66.

Key Words: methods, techniques.

BIC-89
Bickner, L.
"Security Engineering of Secure Ground Stations," Proc. Aerospace Comp. Sec. Conf. (5: IEE-85a), 1985, pp. 49-54.

Key Words: physical, techniques.

BIS-86
Bishop, M.
"Analyzing the Security of An Existing Computer System," Proceedings, ACM/IEEE Fall Joint Computer Conference, Nov. 1986, pp. 1115-1119.

Key Words: risk, methods.

BLA-81
Blanding, S.F.
"Computer Fraud Auditing -- A Case Study," EDPACS, Aug./Sept. 1981, pp. 4-24.

Key Words: crime, auditing, company.

BOL-84
Bologna, J.
"Disaster/Recovery Planning: A Qualitative Approach," Data Processing & Communications Security, March/April 1984, pp. 11-15.

Key Words: contingency, recovery, management.

BOL-88
Bologna, G.J., and R.J. Linquist
Fraud Auditing and Forensic Accounting, J. Wiley & Sons, New York, 1988.

Key Words: book, auditing, control.

BOL-88a
Bologna, J.
"Selection Risks in Hiring Information Systems Personnel," Computers & Security, August 1988, pp. 353-355.

Key Words: risk, personnel.

BOL-89
Bologna, J.
"The One Minute Fraud Auditor," Computers & Security, February 1989, pp. 29-31.

Key Words: crime, auditing.

BON-81
Bonyun, D.
"The Role of a Well Defined Auditing Process in the Enforcement of Privacy Policy and Data Security," Proc. 1981 IEEE Symp. on Sec. & Privacy, (5: IEE-81), pp. 19-25.

Key Words: policy, auditing, methods.

BON-81a
Bonyun, D.A.
"Towards A Standard All-Purpose Activity Log," Proceedings, Honeywell Computer Security and Privacy Symposium, April 1981, pp. 133-145.

Key Words: auditing, guidelines.

BON-88
Bonyun, D.A., and J. Graeme
"An Expert Systems Approach to the Modelling of Risks in Dynamic Environment," Proc. Comp. Sec. Risk Manag. Model Builders Workshop, 1988 (2: NBS-88), pp. 203-223.

Key Words: risk, methods, management.

BOU-83
Bound, W.A.J., and D.R. Ruth
"Risk Mangement -- How It Can Become a Useful Tool," Proc. IFIP/Sec. '83, Stockholm, 1983, (2: FAK-83), pp. 147-160.

Key Words: risk, methods, management.

BOU-83a
Bound, W.A.J., and D.R. Ruth
"Making Risk Analysis A Useful Management Tool with Microcomputer Electronic Worksheet Packages," Computers & Security, June 1983, pp. 102-115.

Key Words: risk, methods, management.

BOY-82
Boyer, T.J.
"Contingency Planning: An Opportunity for DP Management," Computer Security Journal, Winter 1982, pp. 41-49.

Key Words: contingency, recovery, methods.

BRA-81
Brafman, M.J.
"Evaluating Computer Controls Using the Matrix Approach," EDPACS, December 1981, pp. 1-10.

Key Words: risk, control, methods.

BRI-83
Brill, A.E.
Building Controls into Structured Systems, Yourdon Press, New York, 1983.

Key Words: controls, methods.

BRO-84
Browne, P.S.
"The Automated Risk Profile (RiskPac), Proc. 7th Seminar, DoD Comp. Sec. Progr. (5: DOD-84), 1984, pp. 402-404.

Key Words: risk, methods, management.

BRO-86
Brown, R.V.
"Managing Diffuse Risks from Adversarial Sources (DR/AS) with Special Refernce to Computer Security," Proc. 9th Natl. Comp. Sec. Conf. (5: NCS-86), 1986, pp. 162-167.

Key Words: risk, management, methods.

BRO-87
Brown, R.L.
"Specification for a CanonicalConfiguration Management Tool," Proc. 10th Natl. Comp. Sec. Conf. (5: NCS-87a), 1987, pp. 84-90.

Key Words: management, methods.

BRO-88

Browne, P.S., and J.E. Laverty "Using Decision Analysis to Estimate Computer Security Risk," Proc. Comp. Sec. Risk Manag. Model Builders Workshop, 1988 (2: NBS-88), pp. 117-134.

Key Words: risk, management, methods.

BRO-89

Brothers, M.H. "A 'How To' Guide for Computer Virus Protection in MS-DOS," Proc. 12th Natl. Comp. Sec. Conf. (5: NCS-89), 1989, pp. 349-358.

Key Words: virus, guidelines, methods.

BRU-85

Bruske, S.Z., R.E. Wright, and W.D. Geaslen "Potential Uses of Probabilistic Risk Assessment Techniques for Space Station Development," Proc. Aerospace Comp. Sec. Conf. (5: IEE-85a), 1985, pp. 21-29.

Key Words: risk, methods.

BUC-87

Buck, E.R. An Introduction to Data Security and Controls, Q.E.D. Information Sciences, Inc., Wellesley, MA, 1987.

Key Words: book, control, methods.

BUI-87

Bui, T., and T.R. Sivasankaran "Cost-Effectiveness Modeling fora Decision Support System in Computer Security," Computers & Security, April 1987, pp. 139-151.

Key Words: methods, management.

BUR-85

Burns, R.W. "Security Implications of the Space Station Information System," Proc. Aerospace Comp. Sec. Conf. (5: IEE-85a), 1985, pp. 3-10.

Key Words: requirements, government.

BUR-88

Burger, R.H. Computer Viruses: A High-Tech Disease, Abacus, Grand Rapids, MI, 1988.

Key Words: book, general, virus, risk, techniques.

BUU-84

Buurmeijer, F. "IBM's Data Security Strategy: Some Implementation Aspects," Computers & Security, November 1984, pp. 273-277.

Key Words: methods, company.

CAE-89

Caelli, W.J. (Ed.) Computer Security in the Age of Information, Proc. IFIP/Sec. '88, Gold Coast, Australia, May 1988, North-Holland, Amsterdam 1989.

Key Words: proccedings, general, international.

CAM-83

Campbell, R.P. "Locking Up the Mainframe, Part 1," Computerworld, October 10, 1983, pp. ID1-ID15.

Key Words: threats, policy, methods.

CAM-83a

Campbell, R.P. "Locking Up the Mainframe, Part 2," Computerworld, October 17, 1983, pp. ID1-ID14.

Key Words: threats, policy, methods.

CAR-82

Carroll, J.M. Controlling White Collar Crime: Design and Audit for Systems Security, Butterworths, Woburn, MA, 1982.

Key Words: book, crime, auditing.

CAR-83

Carroll, J.M., and O. Wu "Methodology for Security Analysis of Data Processing Systems," Computers & Security, January 1983, pp. 24-34.

Key Words: risk, threats, methods, managements.

CAR-83a

Carroll, J.M. "Descision Support for Risk Analysis," Computers & Security, November 1983, pp. 230-236.

Key Words: risk, threats, methods, management.

CAR-84

Carrroll, J.M. Managing Risk: A Computer-Aided Strategy, Butterworth, Stoneham, MA 1984.

Key Words: book, risk, methods. management.

CAR-84a

Carroll, J.M., and W.R. MacIver "Towards an Expert System for Computer-Facility Certification," Proc. IFIP/Sec. '84, Toronto, 1984, (2: FIN-85),'84, pp. 293-306.

Key Words: physical, methods, risk.

CAR-85

Carroll, J.M., and W.W. Mac Iver "COSSAC: A Framework for Analyzingand Configuring Secure Computer Facilities," Computers & Security, March 1985, pp. 5-12.

Key Words: physical, methods.

CAR-87
Carroll, J.M.
Computer Security, Second Edition, Butterworths, Boston, MA, 1987

Key Words: book, general, methods, guidelines, techniques.

CER-85
Cerullo, M.J.
"General Controls in Computer Systems," Computers & Security, March 1985, pp. 33-45.

Key Words: controls, methods.

CHA-82
Chambers, A.D.
Computer Auditing, Commerce Clearing House, Inc., Chicago, 1982.

Key Words: auditing, methods.

CHA-85
Chalmers, L.S.
"A Low-Cost Approach to Disaster Recovery Planning," Computer Security Journal, Winter 1985, pp. 57-61.

Key Words: contingency, recovery, methods, maangement.

CHA-86
Chalmers, L.S.
"An Analysis of the Differences Between Computer Security Practices in the Military and Private Sectors," Proc. 1986 IEEE Symp. on Security & Privacy (5: IEE-86), pp. 71-77.

Key Words: policy, methods, management.

CHA-88
Chantino
Disaster Recovery, Elsevier, New York, NY, 1988.

Key Words: book, recovery, methods.

CHO-89
Chokhani, S.
"Protection of Call Detail Records Data in Federal Telecommunications," Proc. 5th Sec. Applicat. Conf. (4: IEE-89c), 1989, pp. 70-77.

Key Words: government, threats, policy, methods, techniques.

CLA-86
Clark, R.
"Risk Mangement -- A New Approach," Proc. IFIP/Sec. '86, Monte Carlo, 1986, (2: GRI-89).

Key Words: risk, methods, management.

CLY-87
Clyde, A.R.
"Insider Threat Identification System," Proc. 10th Natl. Comp. Sec. Conf. (5: NCS-87a), 1987, pp. 343-356.

Key Words: threats, risk, methods.

COC-84
Cochrane, J.S.
"Automated Data Processing Security Accreditation Program (A Composite Guideline)," Proc. 7th Seminar, DoD Comp. Sec. Progr. (5: DOD-84), 1984, pp. 351-363.

Key Words: guidelines, accreditation.

COH-84
Cohen, F.
"Computer Viruses: Theory and Experiments," Proc. 7th Seminar, DoD Comp. Sec. Progr. (5: DOD-84), 1984, pp. 240-263.

Key Words: virus, techniques, theory.

COH-84a
Cohen, F.
"Computer Viruses: Theory and Experience," Proc. IFIP/Sec. '84, Toronto, 1984, (2: FIN-85), pp. 143-158.

Key Words: virus, theory, techniques.

COH-87
Cohen, F.
"Computer Viruses: Theory and Experiments," Computers & Security, February 1987, pp. 22-25.

Key Words: virus, techniques, theory.

COH-88
Cohen, F.
"On the Implications of Computer Viruses and Methods of Defense," Computers & Security, April 1988, pp. 167-184.

Key Words: virus, threats, methods.

COH-88a
Cohen, F.
"Maintaining a Poor Person's Information Integrity," Computers & Security, October 1988, pp. 489-494.

Key Words: integrity, methods.

COH-88b
Cohen, F.
"Terminal Viruses," The Sciences, Nov.-Dec. 1988, pp. 24-30.

Key Words: virus, techniques.

COH-89
Cohen, F.
"Computational Aspects of Computer Viruses," Computers & Security, June 1989, pp. 325-344.

Key Words: virus, techniques.

COO-89
Cooper, J.A.
Computer and Communications Security: Strategies for the 1990s, McGraw-Hill, New York, 1989.

Key Words: book, general, networks.

COP-88
Copigneaux, F., and S. Martin
"Software Security Evaluation Based on Top-Down McCall-Like Approach," Proc. 4th Aerosp. Comp. Sec. Conf. (4: IEE-88b), 1988, pp. 414-418.

Key Words: risk, methods.

COR-82
Coryen, G.C.
A Methodology for Assessing Security Risks Associated with Computer Sites and Networks, UCRL-53292, Lawrence Livermore National Laboratory, Livermore, CA, June 23, 1982.

Key Words: risk, methods, networks.

COR-87
Corelis, J.
"Source Code Security: A Checklist for Managers," ACM Sec. Audit & Control Review, Spring 1987, pp. 12-16.

Key Words: software, guidelines.

COU-84
Courtney, R.H., and M.A. Todd
"Problem Definition: An Essential Prerequisite to the Implementation of Security Measures," Proc. IFIP/Sec. '84, Toronto, 1984, (2: FIN-85), pp. 97-106.

Key Words: methods, techniques.

COU-85
Courtney, R.H., and M.A. Todd
"Problem Quantification: Importance of Cost-Effective Security," Proc. IFIP/Sec. '85, Dublin, 1985, (2: GRI-85), pp. 55-63.

Key Words: methods, techniques.

COU-86
Courtney, R.H.
"Security Measures Are Inherently Undesirable," EDPACS, March 1986, pp. 9-12.

Key Words: methods, management.

COU-86a
Courtney, R.H.
"An Economically Feasible Approach to Contingency Planning," Proc. 9th Natl. Comp. Sec. Conf. (5: NCS-86), 1986, pp. 237-244.

Key Words: contingency, recovery, methods.

COU-88
Courtney, R.H.
"Another Perspective on Sensitive But Unclassified Data," Computers & Security, February 1988, pp. 19-23.

Key Words: policy, requirements.

COU-89
Courtney, R.H.
"Proper Assignment of Responsibility for Data Security," Information Age, (U.K.) April 1989, pp. 83-87.

Key Words: policy, management.

CRO-82
Crow, W.
"Making the ATM More Secure," The Bankers Magazine, Jan./Feb. 1982, pp. 70-74.

Key Words: policy, techniques.

CRO-84
Croft, R.B.
"A Flow Charting Technique for Designing On-Line Data Security," TeleSystems Journal, March/April 1984, pp. 22-27.

Key Words: risk, techniques.

CRO-85
Cronhjort, B.T., and A. Mustonen
"Computer Assisted Reduction of Vulnerability of Data Centers," Proc. IFIP/Sec. '84, Toronto, 1984, (2: FIN-85), pp. 397-425.

Key Words: risk, vulnerabilities, methods, techniques.

CRO-86
Cronin, D.
Microcomputer Data Security: Issues & Strategies, Brady Communicat./Prentice-Hall, Englewood Cliffs, NJ, 1986.

Key Words: book, management, PC, techniques.

CRO-89
Crocker, S., and M. Pozzo
"A Proposal for Verification-Based Virus Filter," Proc. 1989 IEEE Symp. on Sec. & Privacy (5: IEE-89b), pp. 319-324.

Key Words: virus, techniques.

CSC-85
PC Security Considerations, NSSC-TG-002-85, National Computer Security Center, Ft. Meade, MD, 1985.

Key Words: guidelines, PC, techniques.

CSI-83
Computer Security Handbook, Computer Security Institute, Northboro, MA, 1983.

Key Words: book, guidelines, general, techniques, management.

CSI-87
"A Guide to Commercial Disaster Recovery Services," Computer Security Journal, Volume IV, No. 2, 1987, pp. 49-64.

Key Words: contingency, recovery.

CWO-86
"Disaster Recovery Hot Sites," Computerworld, May 12, 1986, p. 62ff.

Key Words: contingency, recovery.

DAV-87
Davis, F.G.F., and R.E. Gantenbein
"Recovering from a Computer Virus Attack," Journal of Systems and Software, December 1987, pp. 253-258.

Key Words: virus, recovery, methods.

DAV-89
Davida, G.I., Y.G. Desmet, and B.J. Matt
"Defending Systems Against Viruses through Cryptographic Authentication," Proc. 1989 IEEE Symp. on Sec. & Privacy (5: IEE-89b), pp. 312-318.

Key Words: virus, techniques, cryptography.

DEL-89
Computer Viruses: Proceedings, Invitational Symposium, October 10-11, 1988, Deloite Haskings & Sells, New York, 1989.

Key Words: proceedings, virus, methods, management.

DEM-85
DeMaio, H.B.
"Controlling Advanced Information System Technology," Computer Security Journal, Winter 1985, pp. 63-67.

Key Words: management, control.

DEN-81
de Boef, A.
"Audit Monitoring of Production Data Files," EDPACS, February 1981, pp. 1-16.

Key Words: auditing, methods.

DEN-87
Denning, D.E.
"An Intrusion-Detection Model," IEEE Trans. on Software Engr., February 1987, pp. 222-232.

Key Words: threats, methods.

DES-88
Desman, M.B.
"Recovery Palnning -- Pay Attention to Your People," Computer Security Journal, Volume V, No. 1, 1988, pp. 49-51.

Key Words: policy, personnel, management.

DEV-83
DeVries, D.
"A Baker's Dozen: Security Suggestions for Moving a Data Center," Computer Security Journal, Spring 1983, pp. 91-95.

Key Words: guidelines, physical.

DOD-88
Security Requirements for Automated Information Systems (AIS), U.S. Department of Defense, Washington, DC, March 1988.

Key Words: policy, requirements, government.

DON-84
Donovan, J.F.
"Industrial Relations and Contingency Planning," Proc. IFIP/Sec. '84, Toronto, 1984, (2: FIN-85), pp. 401-406.

Key Words: contingency, management.

DOS-85
Doswell, R.T.
"The Audit, Control and Security of the Project Life Cycle -- Pre-Implementation Stage," Proc. IFIP/Sec. '85, Dublin, 1985, (2: GRI-85),'85, pp. 277-281.

Key Words: auditing, management.

DPC-84
"Computer Security Administration and Staffing," Data Processing & Communications Security, May/June 1984.

Key Words: management, personnel.

DPC-84a
"Physical Security for Data Processing Facilities," Data Processing & Communications Security, Sept./Oct. 1984.

Key Words: physical, techniques.

DUG-86
Dugan, E.
"Disaster Recovery Planning: Crisis Doesn't Equal Catastrophe," Computerworld, January 27, 1986, pp. 67-74.

Key Words: contingency, recovery, management.

DUN-84
Dunmore, D.
"An EDP Risk Analysis Model," EDPACS, October 1984, pp. 6-11.

Key Words: risk, management, methods.

EAS-82
Eason, T.S., and D.A. Webb
Nine Steps to Effective EDP Loss Control, Digital Press, Bedford, MA, 1982.

Key Words: book, control, policy, guidelines.

EIC-89
Eichin, M.Q.W., and J.A. Rochlis
"With Microscope and Tweezers: An Analysis of the Internet Virus of November 1988," Proc. 1989 IEEE Symp. on Sec. & Privacy (5: IEE-89b), pp. 326-343.

Key Words: virus, methods.

ENG-80
Enger, N.L., and P.W. Hoverton
Computer Security: A Management Audit Approach, Anacom, New York, 1980.

Key Words: book, auditing, methods,

EPP-80
Epperly, E.V.
"The Department of Defense Computer Security Initiative Program and Current and Future Security Policies," Proc. 2nd Seminar, DoD Comp. Sec. Prog. (5: DOD-80a), 1980, pp. J1-J34.

Key Words: policy, government.

EPP-82
Epperly, E.V.
"Computer Security Policies - Challenges and Prospects," Proc. 5th Seminar, DoD Comp. Sec. Prog. (5: DOD-82), 1982, pp. 99-137.

Key Words: policy, government.

ESS-85
Essen, J., and B. Lindberg
"The Bofors-Model for Working ADP Security," Proc. IFIP/Sec. '85, Dublin, 1985, (2: GRI-85), pp. 47-53.

Key Words: risk, threats, methods.

FAK-83
Fak, V.A. (Ed.)
Security, Proc. of IFIP/Sec'83, Stockholm, Sweden, May 16-19, 1983, North-Holland Publishing Co., Amsterdam, 1983.

Key Words: proceedings, general, international.

FAS-89
Fastiggi, M.V.
"Detection of Surreptitious Insertion of Trojan Horse or Viral Code in Computer Application Programs," Information Age, (U.K.), January 1989, pp. 3-10.

Key Words:

FED-85
Proceedings, Federal Information System Risk Analysis Workshop, U.S. Air Force Computer Security Program Office, San Antonio, TX, January 1985.

Key Words: proceedings, risk.

FER-87
Ferris, M., and A. Cerulli
"Certification: A Risky Business," Proc. 10th Natl. Comp. Sec. Conf. (5: NCS-87a), 1987, pp. 266-272.

Key Words: cerification, policy.

FEU-88
Feuerlicht, J., and P. Grattan
"The Role of Classification of Information in Controlling Data Proliferation in End-User PC Environment," Proc. IFIP/Sec. '88, Australia, 1989, (2: CAE-89), pp. 167-176.

Key Words: control, methods management.

FEU-89
Feuerlicht, J., and P. Grattan
"The Role of Classification of Information in Controlling Data Proliferation in End-User Personal Computer Environment," Computers & Security, February 1989, pp. 59-66.

Key Words: control, methods, management.

FIE-82
Fierello, M.
"Cost-Benefit Impact Analysis of Computer Security Standards & Guidelines," Proc. 5th Seminar, DoD Comp. Sec. Prog. (5: DOD-82), 1982, pp. 177-201.

Key Words: guidelines, methods, management.

FIN-85
Finch, J.H., and E.G. Dougall (Eds.)
Computer Security: A Global Challenge. Proc., IFIP/SEC '84, Toronto, Canada, 12-12 Sept., 1984, North-Holland Publishing Company, Amsterdam, 1985.

Key Words: proceedings, general, international.

FIS-89
Fish, T. and S. Meglathery
"Professional Certification for Computer Security Practitioners," Proc. 12th Natl. Comp. Sec. Conf. (5: NCS-89), 1989, pp. 433-434.

Key Words: personnel, management.

FIT-81
Fitzgerald, J.
"EDP Risk Analysis Using Matrices," EDPACS, November 1981, pp. 1-7.

Key Words: risk, methods, management.

FIT-89
Fites, P.E.
Control and Security of Computer Information Systems, Computer Science Press, Rockville, MD, 1989.

Key Words: book, control, methods.

FLA-86
Flach, J.
"Disaster Planning -- Beyond a Prayer," Computer Security Products Report, Spring 1986, pp. 9-11.

Key Words: contingency, recovery.

FRA-83
Francella, K.
"Multiple Controls Combat Computer Crime," Data Management, July 1983, pp. 21+.

Key Words: crime, controls, methods, management.

FRI-82
Friedman, S.D.
"Contingency and Disaster Planning," Computers and Security, January 1982, pp. 34-40.

Key Words: contingency, recovery, management.

FRI-84
Friedman, S.D.
"Contingency and Disaster Planning in EDP," EDPACS, January 1984, pp. 4-9.

Key Words: contingency, recovery, management.

FRY-83
Fry, B.G.P, and W.F. Main
"A Conceptual Methodology for Evaluating Security Requirements for Data Assets," Computers & Security, November 1983, pp. 237-241.

Key Words: requirements, methods.

FUG-84
Fugini, M., and C. Martella
"Security Mangement in Office Information Systems," Proc. IFIP/Sec. '84, Toronto, 1984, (2: FIN-85), pp. 487-498.

Key Words: management, policy.

GAG-85
Gage, D.W.
"Security Considerations for Autonomous Robots," Proc. 1986 IEEE Symp. on Sec. & Privacy (5: IEE-86), pp. 224-228.

Key Words: requirements.

GAL-85
Gallery, S.M.
Computer Security: Readings from Security Management Magazine, Butterworths, Boston, 1987.

Key Words: book, general, methods.

GAO-80
Most Federal Agencies Have Done Little Planning for ADP Disasters, AFMD-81-16, U.S. General Accounting Office, Washington, DC, 18 December 1980.

Key Words: contingency, recovery, government, management.

GAO-81
Federal Agencies Still Need to Develop Greater Computer Audit Capabilities, AFMD-82-7. U.S. General Accounting Office, Washington, DC, 16 October 1981.

Key Words: auditing, management, government.

GAO-81a
Evaluating Internal Controls in Computer-Based Systems, AFMD-81-76, U.S. General Accounting Office, Washington, DC, June 1981.

Key Words: control, government.

GAR-87
Garcia, A.A. (Ed.)
Computer Security: A Comprehensive Controls Checklist, J. Wiley & Sons, Somerset, NJ, 1987.

Key Words: guidelines, methods.

GAR-88
Garnett, P.D.
"Selective Disassembly: A First Step Towards Developing Virus Filter," Proc. 4th Aerospace Comp. Sec. Conf. (4: IEE-88b), 1988, pp. 2-6.

Key Words: virus, techniques.

GAR-89
Gardner, P.E.
"Analysis of Five Risk Assessment Programs," Computers & Security, October 1989, pp. 479-485.

Key Words: risk, management, techniques.

GAS-86
Gascoyne, R.J.N.
"Basic Protection for Microcomputers," EDPACS, June 1986, pp. 5-6.

Key Words: PC, techniques, management.

GIL-81
Gilhooley, I.A.
"Controlling the EDP Auditor," EDPACS, January 1981, pp. 1-7.

Key Words: auditing, control, management.

GIL-84
Gilhooley, I.A.
"Auditing System Development Methodology," EDPACS, July 1984, pp. 1-8.

Key Words: auditing, methods.

GIL-84a
Gillin, P.
"Tightening Controls on MicroBased Software," Computerworld, December 5, 1984, pp. 41-44.

Key Words: control, PC, software.

GIL-85
Gilhooley, I.A.
"The Impact of Current EDP Development on Separation of Duties," COM-SAC, Computer Security, Auditing & Controls, No. 2, 1985, pp. A7-A14.

Key Words: management, methods.

GIL-86
Gilhooley, I.A.
"Productivity and Control in System Development," EDPACS, July 1986, pp. 1-6.

Key Words: control, management.

GIL-86a
Gilhooley, I.A.
"Controlling End-User Computing," EDPACS, October 1986, pp. 1-9.

Key Words: control, management.

GIL-89
Gilbert, I.E.
Guide for Selecting Automated Risk Analysis Tools, SP 500-174, National Institute of Standards and Technology, Gaithersburg, MD, October 1989.

Key Words: risk, management, methods, guidelines.

GIN-89
Ginn, R.
Continuity Planning: Preventing, Surviving and Recovering from Disaster, Elsevier Advanced Technology New York, NY, 1989.

Key Words: book, contingency, recovery, management.

GLE-89
Gleissner, W.
"A Mathematical Theory for the Spread of Computer Viruses," Computers & Security, February 1989, pp. 35-41.

Key Words: virus, theory.

GOT-81
Gottlieb, M.
"Audit Concerns About Minicomputers," EDPACS, Oct. 1981, pp. 12-15.

Key Words: auditing, methods.

GRE-81
Greguras, F.M.
"DP Contingency Planning: The Legal Considerations," Assets Protection, May/June 1981, pp. 26-29.

Key Words: contingency, laws.

GRE-81a
Green, G., and R.G. Farber
Introduction to Security Principles & Practices, Security World Publishing, Los Angeles, 1981.

Key Words: general, methods, policy, techniques.

GRE-89
Green, J.L., and P. L. Sisson
"The 'Father Christmas Worm'," Proc. 12th Natl. Comp. Sec. Conf. (5: NCS-89), 1989, pp. 359-368.

Key Words: virus, techniques.

GRI-85
Grimson, J.B.,
H.J. Kugler (Eds.)
Computer Security: The Practical Issues in a Troubled World, Proc. IFIP/Sec '85, Dublin, Ireland, 12-15 August, 1985, North-Holland Elsevier Publishing Company, Amsterdam/New York, 1985

Key Words: proceedings, general, international.

GRI-89
Grissonnanche,A. (Ed.)
Security Protection in Information Systems, Proceedings IFIP/Sec '86, Monte Carlo, December 1986, North Holland/Elsevier, Amsterdam, 1989.

Key Words: proceedings, general, international.

GUA-87
Guarro, S.B.
"Principles and Procedures of the LRAM Approach to Information Systems Risk Analysis and Management," Computers & Security, December 1987, pp. 493-504.

Key Words: risk, methods.

GUA-88
Guarro, S.B.
"Analytical and Decision Models of the Livermore Risk Analysis Methodology," Proc. Comp. Sec. Risk Manag. Model Builders Workshop, 1988 (2: NBS-88), pp. 49-71.

Key Words: risk, methods.

GUI-89
Guinier, D.
"Biological Versus Computer Viruses," ACM Sec., Audit & Control Rev., Summer 1989, pp. 1-15.

Key Words: virus, general.

GUS-88
Gustoff, M.E.
"Personal Computer Security," Information Age, (U.K.), October 1988, pp. 195-202.

Key Words: PC, techniques.

HAE-84
Haeckel, D.A., and B.B. Johnson
"Complete the Cycle of Information Security Planning," Security Management, May 1984, pp. 54-59.

Key Words: management, methods.

HAH-88
Hahn, M.
"Auditing Changes to MVS," Proc. IFIP/Sec. '88, Australia, 1989, (2: CAE-89), pp. 407-424.

Key Words: auditing, methods.

HAL-86
Halme, L.R., and J. Van Horne
"Automated Analysis of Computer System Audit Trails for Security Purposes," Proc. 9th Natl. Comp. Sec. Conf. (5: NCS-86), 1986, pp. 71-74.

Key Words: auditing, methods.

HAL-88
Halme, L.R., and B.L. Kahn
"Building a Security Monitor with Adaptive User Work Profiles," Proc. 11th Natl. Comp. Sec. Conf. (5: NCS-88), 1988, pp. 374-383.

Key Words: auditing, techniques.

HAM-82
Hammer, C.
"Managing Computer Security," Computer Security Journal, Winter 1982, pp. 17-21.

Key Words: management, methods.

HAN-83
Hansen, J.V. and W.F. Messier
"Scheduling the Monitoring of EDP Controls in Online Systems," Internatl. Journal of Computer and Information Sciences, February 1983, pp. 35-46.

Key Words: control, methods.

HAN-83a
Hansen, J.V.
"Audit Considerations in Distributed Processing Systems," Communications of the ACM, August 1983, pp. 562-569.

Key Words: auditing, methods.

HAR-80
Hardenburg, K.L.
"Controlling Systems Programming Activities," EDPACS, January 1980, pp. 1-24.

Key Words: control, management.

HAR-80a
Hardenburg, K.L.
"Auditing the MVS Operating Systems," EDPACS, June 1980, pp. 1-10.

Key Words: auditing, techniques.

HEA-83
Healy, R.J
Design for Security, 2nd Ed., John Wiley & Sons, New York, 1983.

Key Words: book, physical, methods, techniques.

HEA-86
Heaton, Y.
"The Human Risks -- An Auditor's Point of View," The Computer Law and Security Report, Sept.-Oct. 1986, pp. 21-23.

Key Words: risk, personnel.

HEA-87
Hearden, K.
A Handbook of Computer Security, Kogan Page, London, 1987.

Key Words: book, general, methods, guidelines, management.

HEB-80
Hebbard, B., et al.
"A Penetration Analysis of the Michigan Terminal System," ACM Operating Systems Review, January 1980, pp. 7-20.

Key Words: vulneabilities, threats.

HEN-85
Henrion, M., and M. G. Morgan,
"A Computer Aid for Risk and Other Policy Analysis," Risk Analysis, September 1985, pp. 195-208.

Key Words: risk, management, policy, methods.

HER-84
Herschberg, I.S. and R. Paans
"The Programmer's Threat: Cases and Causes,"
Computers & Security, November 1984, pp. 263-272.

Key Words: threats, personnel, management.

HIG-83
Highland, H.J.
"Impact of Microcomputers on Total Computer Security,"
Proc. IFIP/Sec. '83, Stockholm, 1983, (2: FAK-83), pp. 119-129.

Key Words: PC, techniques, management.

HIG-83a
Highland, H.J.
"Impact of Microcomputers on Total Computer Security,"
Computers & Security, June 1983, pp. 171-183.

Key Words: PC, techniques, management.

HIG-83b
Highland, H.J.
"Operational Security for Microcomputers,"
Proceedings, 1983 COMPCON Fall, IEEE Computer Society, 1983.

Key Words: PC, techniques.

HIG-84
Highland, H.J.
"Data Protection in a Microcomputer Environment,"
Proc. IFIP/Sec. '84, Toronto, 1984, (2: FIN-85), pp. 517-531.

Key Words: PC, techniques.

HIG-84a
Highland, H.J.
Protecting Your Microcomputer System, J. Wiley & Sons, New York, 1984.

Key Words: book, PC, techniques.

HIG-85
Highland, H.J.
"Microcomputer Security: Data Protection Techniques,"
Computers & Security, June 1985, pp. 123-134.

Key Words: PC, techniques.

HIG-87
Highland, H.J.
"Data Physician -- A Virus Protection Program,"
Computers & Security, February 1987, pp. 73-79.

Key Words: virus, techniques.

HIG-87a
Highland, H.J.
"How to Evaluate Microcomputer Encryption Software and Hardware,"
Computers & Security, June 1987, pp. 229-244.

Key Words: PC, cryptography.

HIG-88
Highland, H.J.
"Computer Viruses: A Post Mortem," Computers & Security, April 1988, pp. 117-122.

Key Words: virus, techniques.

HIG-88a
Highland, H.J.
"The Anatomy of a Virus Attack," Computers & Security, April 1988, pp. 145-150.

Key Words: virus, techniques.

HIG-88b
Highland, H.J.
"An Overview of 18 Virus Protection Programs,"
Computers & Security, April 1988, pp. 157-163.

Key Words: virus, techniques.

HIG-88c
Highland, H.J.
"The Brain Virus: Fact and Fantasy," Computers & Security, August 1988, pp. 367-370.

Key Words: virus, techniques.

HIG-89
Highland, H.J.
"The Milnet/Arpanet Attack,"
Computers & Security, February 1989, pp. 3-10.

Key Words: virus, techniques.

HIG-89a
Highland, H.J.
"A Macro Virus" Computers & Security, May 1989, pp. 178-182.

Key Words: virus, techniques.

HIG-89b
Highland, H.J.
"The Marijuana Virus Revisited," Computers & Security, August 1989, pp. 369-373.

Key Words: virus, techniques.

HIG-89c
Highland, H.J.
"The Italian or Ping-Pong Virus," Computers & Security, April 1989, pp. 91-94.

Key Words: virus, techniques.

HIG-89d
Highland, H.J.
"Anatomy of Three Computer Virus Attacks," Computers & Security, October 1989, pp. 461-466.

Key Words: virus, techniques.

HIG-89e
Highland, H.J.
"Secure File Storage and Transfer," Computers & Security, October 1989, pp. 466-474.

Key Words: database, techniques.

HIG-89f
Highland, H.J.
"Secret Disk II -- Administrator," Computers & Security, November 1989, pp. 563-568.

Key Words: virus, techniques.

HIG-89g
Highland, H.J.. (Ed.)
The Computer Virus Handbook, Elsevier Advanced Technology, New York, NY, 1989.

Key Words: book, virus, methods, techniques, guidelines.

HIG-89h
Highland, H.J.
"Datacrime Virus and New Anti-Virus Products," Computers & Security, December 1989, pp. 659-661.

Key Words: virus, techniques.

HIG-89i
Highland, H.J.
"VCHECKER -- A Virus Search Program," Computers & Security, December 1989, pp. 669-674.

Key Words: virus, techniques.

HIL-83
Hildebrand, J.
"Records Retention: Management's Involvement is Critical," Data Management, July 1983, pp. 18+.

Key Words: contingency, recovery.

HIL-84
Hiller, E.
"Up from Disaster," Computerworld, March 26, 1984, pp. ID/9-16.

Key Words: contingency, recovery.

HIR-89
Hirst, J.
"Rotten to the Core: Bombs, Trojans, Worms, and Viruses," New Scientist, March 4, 1989, pp. 40-41.

Key Words: virus, threats.

HOA-82
Hoar, T.
"Controls and Risk in Data Processing," The Bankers Magazine, May/June 1982, pp. 49-52.

Key Words: risk, management.

HOE-86
Hoebeke, L.
"Computer Security -- Prevention: Lessons from the Operation of a Nuclear Power Plant," Computers & Security, June 1986, pp. 122-127.

Key Words: methods, management.

HOF-81
Hoffman, L.J., and L.A. Neitzel
"Inexact Analysis of Risk," Computer Security Journal, Spring 1981, pp. 61-72.

Key Words: risk, techniques.

HOF-85
Hoffman, L.J., and A.F. Westin
"A Survey: Office Automation Security and Private Practices," Computer Security Journal, Winter 1985, pp. 69-76.

Key Words: methods, management.

HOF-86
Hoffman, L.J.
Computer Security Risk Analysis: Problems and Issues, GWU-IIST-86-04, The George Washington University, Washington, DC, March 1986.

Key Words: risk, management.

HOF-86a
Hoffman, L.J.
"Risk Analysis and Computer Security: Bridging the Cultural Gap," Proc. 9th Natl. Comp. Sec. Conf. (5: NCS-86), 1986, pp. 156-161.

Key Words: risk, management.

HOF-88
Hoffman, L.J.
"A Prototype Implementation of a General Risk Model," Proc. Comp. Sec. Risk Manag. Model Builders Workshop, 1988 (2: NBS-88), pp. 135-144.

Key Words: risk, techniques.

HOF-89
Hoffman, L.J.
"Smoking Out the Bad Actors: Risk Analysis in the Age of Microcomputer," Computers & Security, June 1989, pp. 299-302.

Key Words: risk, PC, management, techniques, methods.

HRU-88
Hruska, J., and K. Jackson
The PC Security Guide 88/89, Elsevier Advanced Technology, New York, NY, 1988.

Key Words: PC, guidelines.

HUT-88
Hutt, A.E., et al., (Eds.), Computer Security Handbook, McMillan Publishing Co., New York, 1988.

Key Words: book, general, methods, techniques, guidelines.

IBM-84
Good Security Practices for Dial-Up Systems, G320-0690-0, IBM Corporation, White Plains, NY, March 1984.

Key Words: techniques, methods.

IBM-84a
Good Security Practices for Personal Computers, G320-9280-0, IBM Corporation, White Plains, NY, March 1984.

Key Words: PC, techniques.

IBM-85
Information Systems Security: Executive Checklist, GX20-2430, IBM Corporation, White Plains, NY, 1985.

Key Words: guidelines, methods.

IBM-86
Control Planning for Catastrophic Events in Data Processing Centers, G320-6729, IBM Corporation, White Plains, NY, 1986.

Key Words: contingency, recovery, management.

IEE-87
Proceedings, COMPASS '87: Computer Assurance, Washington, DC, June 1987, IEEE Publishing Service, New York, 1987.

Key Words: proccedings, general.

IEE-88
Proceedings, COMPASS '88: Computer Assurance, Gaithersburg, MD, June 1988, IEEE Publishing Service, New York, 1988.

Key Words: proceedings, general.

IEE-89
Proceedings, COMPASS '89: 4th Annual Conference on Computer Assurance, Gaithersburg, MD, June 1989, IEEE Publishing Service, New York, 1989.

Key Words: proceedings, general.

ISA-83
Isaacson, G.I.
"A Guide to Commercial BackupServices," Computer Security Journal, Spring 1983, pp. 51-69.

Key Words: contingency, recovery.

JAC-81
Jacobson, R.V.
"Analyzing the Limits of Risk," Government Data Systems, Nov.-Dec., 1981, pp. 28-29.

Key Words: risk, management.

JAC-81a
Jacobson, R.V.
"Optimizing Disaster Recovery Planning," Proceedings, Honeywell Computer Security and Privacy Symposium, April 1981, pp. 95-100.

Key Words: contingency, recovery.

JAC-86
Jackson, C.B.
"Making Time for DP Risk Analysis," Security World, March 1986, pp. 68-70.

Key Words: risk, management.

JAC-86a
Jackson, C.B.
"Data Processing Risk Analysis: Beneficial or Unnecessary?" ISSA Newsletter, July/August/September 1986, pp. 6-8.

Key Words: risk, management.

JAC-88
Jacobson, R.V.
"IST/RAMP and CRITI-CALC: Risk Managemnt Tools," Proc. Comp. Sec. Risk Manag. Model Builders Workshop, 1988 (2: NBS-88), pp. 73-87.

Key Words: risk, techniques, methods.

JAE-84
Jaehne, E.M.
"Security and Productivity," Proc. IFIP/Sec. '84, Toronto, 1984, (2: FIN-85), pp. 107-111.

Key Words: management, methods.

JAN-81
Jancura, E.G., and R. Boos
Establishing Controls and Auditing the Computerized Accounting System, Van Nostrand, New York, 1981.

Key Words: book, auditing, methods, management.

JAR-83
Jarvis, M.
"Designing Security into the Computer Environment," Assets Protection, March/April 1983, pp. 9-12.

Key Words: management, methods.

JOH-80
Johnson, K.P. and R.H. Jaenicke
Evaluating Internal Control: Concepts, Guidelines, Documentation, J. Wiley & Sons, New York, 1980.

Key Words: book, control, methods.

JOH-83a
Johnson, T.W.
"Auditing DOS/VSE System Software," EDPACS, January 1983, pp. 1-14.

Key Words:

JOH-88
Johnson, H.L., and J.D. Layne
"Modeling Security Risk in Networks," Proc. 11th Natl. Comp. Sec. Conf. (5: NCS-88), 1988, pp. 59-64.

Key Words:

JOH-88a
Johnson, H.L.
"Security Protection Based on Mission Criticality," Proc. 4th Aerospace Comp. Sec. Conf. (4: IEE-88b), 1988, pp. 228-232.

Key Words: risk, requirements.

JOS-88
Joseph, M.K., and A.A. Avizienis
"A Fault-Tolerance Approach to Computer Viruses," Proc. 1988 IEEE Symp. on Sec. & Privacy, (5: IEE-88a), pp. 52-58.

Key Words: virus, techniques.

JUD-87
Judd, T.C., and H.W. Ward, Jr.
"Return to Normalcy: Issues in Contingency Planning," Proc. 10th Natl. Comp. Sec. Conf., (5: NCS-87a), 1987, pp. 379-383.

Key Words: contingency, recovery, management.

JUI-89
Juitt, D.
"Security Assurance Through System Management," Proc. 12th Natl. Comp. Sec. Conf., (5: NCS089), 1989, pp. 418-422.

Key Words: methods, management.

KAR-85
Karabin, S.J.
"Data Classification for Security and Control," EDPACS, December 1985, pp. 1-20.

Key Words: guidelines, management.

KAR-88
Karrent, D.T.
"Typical System Access Control Problems and Solutions," Information Age (U.K.), January 1989, pp. 41045.

Key Words: guidelines, methods.

KEA-86
Kearby, D.B.
"Personnel Policies Procedures and Practices: Key to Computer Security," Computer Security Journal, Vol. 4, No. 1, pp. 63-68, 1986.

Key Words: policy, personnel, management, methods.

KEE-88
Keenan, T.
"Emerging Vulnerabilities in Office Automation Security," Proc. IFIP/Sec. '83, Stockholm, 1983, (2: FAK-83), pp. 139-145.

Key Words: vulnerabilities.

KIN-86
Kinnon, A., and R.H. Davis
"Audit and Security Implications of Electronic Funds Transfer," Computers & Security, March 1986, pp. 17-23.

Key Words: auditing, requirements.

KNE-83
Kneeer, D.C., and J.C. Lampe
"Distributed Data Processing: Internal Control Issues and Safeguards," EDPACS, June 1983, pp. 1-14.

Key Words: control, methods.

KOB-89
Kobus, P. Jr., and G.H. Rovin
"C-Guard Computer Security Systems," Information Age, (U.K.), January 1989, pp. 41-45.

Key Words: policy, techniques.

KOC-84
Koch, H.S.
"Auditing On-Line Systems: An Evaluation of Parallell vs. Continuous and Intermittent Simulation," Computers & Security, February 1984, pp. 9-20,

Key Words: auditing, methods.

KRA-80
Krauss, L.I.
SAFE: Security Audit and Field Evaluation for Computer Facilities and Information Systems, Amacom, New York, 1980.

Key Words: book, auditing, methods.

KUH-86
Kuhn, J.
"Research Toward Intrusion Detection Through Automated Abstraction of Audit Data," Proc. 9th Natl. Comp. Sec. Conf. (5: NCS-86), 1986, pp. 204-208

Key Words: auditing, methods.

KUO-82
Kuong, J.F.
Audit and Control of Computerized Systems, Management Advisory Publications, Wellesley Hills, MA, 1983.

Key Words: book, auditing, control

KUO-83
Kuong, J.F.
Controls for Advanced/On-Line/Database Systems, Management Advisory Publications, Wellesley Hills, MA, 1983.

Key Words: book, control, general.

KUO-85

Kuong, J.F.
"What to Look for When Auditing Your Company's EDP Contingency and Recovery Plan for Business Continuity," COM-AND, Computer Audit News & Developments, September-October, 1985.

Key Words: auditing, guidelines, contingency, recovery.

KUO-85a

Kuong, J.F.
"Evolution of Information Processing Technology, and Deficiencies in the Present Internal Control Methodologies," COM-AND, Computer Audit News & Developments, November-December, 1985.

Key Words: control, methods.

KUO-86

Kuong, J.F.
"Reducing Your Audit Risk Level and Improving Audit Option Reliability when Auditing Computer Based Systems," COM-AND, Computer Audit News & Developments, January-February, 1986.

Key Words: auditing, risk, methods.

KUO-86a

Kuong, J.F.
"Towards a Unified View to the Building and Assessing of Internal Control in Computerized Systems," COM-AND, Computer Audit News & Developments, March-April, 1986.

Key Words: control, policy.

KUO-86b

Kuong, J.F.
"What Are EDP Audit Test Objectives, and How to Develop Them," COM-AND, Computer Audit News & Developments, July-August, 1986.

Key Words: auditing, policy, methods, management.

KUO-86c

Kuong, J.F.
"Pinpointing Areas of High Exposure for Effective Safeguards," COM-SAC, Computer Security, Auditing & Controls, Volume 13, No. 1, 1986, pp. A1-A4.

Key Words: risk, vulnerabilities, methods, management.

KUO-88

Kuong, J.F.
"Computer Viruses: Should the Audit and Security Professional Be Concerned?," COM-AND, Computer Audit News and Developments, No. 3, 1988, pp. 1-4.

Key Words: virus, auditing, threats.

KUO-89

Kuong, J.F.
"Test Approaches and Techniques for Testing EDP Disaster Recovery Provisions," COM-AND, Computer Audit News and Developments, No. 2, 1989, pp. 1-7.

Key Words: contingency, recovery, management.

KUR-86

Kurzban, S.A.
"Computer System Defenses" ACM Security, Audit & Control Rev., Winter 1986, pp. 1-27.

Key Words: methods, techniques.

LAN-85

Lane, V., and J. Step
"The Formidable - If Not Insurmountable - Organizational Problems in Disaster Recovery Planning," Proc. IFIP/Sec. '84, Toronto, 1984, (2: FIN-85), pp. 361-369.

Key Words: contingency, recovery, management.

LAP-86

Lapid, Y., N. Ahituv, and S. Neumann
"Approaches to Handling 'Trojan Horse' Threats," Computers & Security, September 1986, pp. 251-256.

Key Words: threats, techniques.

LEC-83

Lechter, M.A.
"Protecting Software and Firmware Development," IEEE Computer, September 1983, pp. 73-82.

Key Words: methods, management.

LEE-88

Lee, W.
"Automation of Internal Control Evaluation," Proc. IFIP/Sec. '88, Australia, 1989, (2: CAE-89), pp. 391-406.

Key Words: control, management.

LIT-81

Litecky, C.R., and L.E. Rittenberg
"The External Auditor's Review of Computer Controls," Communications of the ACM, May 1981, pp. 289-295.

Key Words: auditing, controls.

LOB-80
Lobel, J.
"Risk Analysis in the 1980s," Proceedings, 1980 National Computer Conference, AFIPS Press, Reston, VA, 1980, pp. 831-836.

Key Words: risk, management.

LOB-89
Lobel, J.
"Managing Information Security in the Space Age," Information Age (U.K.), September 1989, pp. 195-198.

Key Words: management, policy.

LOT-80
Lott, R.W.
Auditing the Data Processing Functions, Amacom, New York, 1980.

Key Words: auditing, methods.

LUN-89
Lunt, T.F.
"Real Time Intrusion Detection," Proceedings, IEEE Compcon Spring, 1989, pp. 348-353.

Key Words: methods, techniques.

MAL-83
Malvik, C.
"Security and the Home Computer," Information Age (UK), April 1983, pp. 87-90.

Key Words: requirements, PC.

MAR-83
Mar, S.
"Long Range Planning for EDP Audits," COM-SAC: Computer Security, Auditing, and Control, January 1983, pp. A1-A8.

Key Words: auditing, management.

MAR-84
Mar, S.
"EDP Security & EDP Audit Team Work," COM-SAC, Computer Security, Auditing and Control, January 1984, pp. A1-A4.

Key Words: auditing, methods.

MAU-84
Maude, T., and D. Maude
"Hardware Protection Against Software Piracy," Communications of the ACM, September 1984, pp. 950-959.

Key Words: software piracy.

MAY-87
Mayerfield, H.N., et al.
"M2 RX: Model Based Risk Assessment Expert," AIAA No. 87-3080, Proc. 3d Aerosp. Comp. Sec. Conf. (5: IEE-87b), 1987, pp. 87-92.

Key Words: risk, management.

MCA-89
McAfee, J.D.
"Managing the Virus Threat," Computerworld, February 13, 1989, pp. 89-96.

Key Words: virus, threats, management.

MCC-85
McCormack, W.G., III
"The Audit of EDP Backup," EDPACS, November 1985, pp. 1-5.

Key Words: auditing, contingency.

MEN-85
Menkus, B.
"The EDP Auditor's Role in Computer Security," Computers & Security, June 1985, pp. 135-138.

Key Words: auditing, methods.

MEN-85a
Menkus, B.
"The Impacts of the Bell System Breakup on DP Disaster Recovery Planning," Computers & Security, September 1985, pp. 219-222.

Key Words: contingency, recovery, management.

MEY-83
Meyer, M.M.
"Checking References: It's Worth the Investment," Security Management, March 1983, pp. 10+.

Key Words: personnel, methods. management.

MIC-83
"Microcomputers: A Checklist of Security and Recovery Considerations," Assets Protection, May/June 1983, pp. 15-16.

Key Words: guidelines, PC,

MIG-87
Migues, S.
"A Guide to Effective Risk Management," AIAA No. 87-3078, Proc. 3d Aerospace Comp. Sec. Conf. (5: IEE-87b), 1987, pp. 66-86.

Key Words: risk, guidelines.

MIL-85
Miller, J.E.
"Transaction Controls: Steps to Take After the Equipment Has Been Secured," Computers & Security, June 1985, pp. 139-141.

Key Words: control, guidelines.

MOE-88
Moeller, R.
"Considering Security when Auditing Applications Under Development," Proc. IFIP/Sec. '88, Australia, 1989, (2: CAE-89), pp. 245-262.

Key Words: auditing, methods.

MOL-84
Molnar, L.
"Disaster Recovery Testing," EDPACS, November 1984, pp. 1-6.

Key Words: contingency, recovery.

MOR-81
Morrison, R.M.
"Advanced Audit Concepts for A Distributed System," Proceedings, Honeywell Security and Privacy Symposium, April 1981, pp. 119-127.

Key Words: auditing, methods.

MOU-84
Moulton, R.T.
"Data Security Is A Management Responsibility," Computers & Security, February 1984, pp. 3-8.

Key Words: management, policy.

MOU-84a
Moulton, R.T.
"A Practical Approach to System Security Devices," Computers & Security, May 1984, pp. 93-100.

Key Words: techniques, methods.

MOU-86
Moulton, R.T.
Computer Security Handbook: Strategies and Techniques for Preventing Data Loss or Theft, Prentice-Hall, Inc. Englewood Cliffs, NJ, 1985

Key Words: book, guidelines, techniques, methods.

MUR-80
Murray, W.H.
"Good Security Practices," EDPACS, October 1980, pp. 1-6.

Key Words: methods, techniques.

MUR-81
Murray, J.P.
"Protecting Corporate Data with Off-Site Vault Storage," Computerworld, March 16, 1981, pp. ID/1-ID/24.

Key Words: contingency, recovery.

MUR-82
Murray, J.P.
"Contingency Planning," Computerworld, May 10, 1982, pp. ID/36-ID/44.

Key Words: contingency, recovery.

MUR-83
Murray, W.H.
"Good Computer Security Practices for Two Areas of Current Concern: Personal Computers and Dial-Up Systems," Computer Security Journal, Fall/Winter 1983, pp. 77-88.

Key Words: techniques, methods, PC.

MUR-83a
Murray, W.H.
"Computer Security: Observations on the State of the Technology," Computers & Security, January 1983, pp. 16-23.

Key Words: techniques, methods.

MUR-84
Murray, J.P.
"Surviving (and Profiting from) the Audit: Manager's View," Computerworld, September 24, 1984, pp. ID/13-23.

Key Words: auditing, management.

MUR-84a
Murray, W.H.
"Security Considerations for Personal Computers," IBM Systems Journal, Vol. 23, No. 3, 1983, pp. 297-304.

Key Words: requirements, PC.

NAN-86
Nancekivell, B.D.
"Auditing IBM System/38 Security," EDPACS, January 1986, pp. 1-10.

Key Words: auditing, methods.

NBS-81
Guidelines for ADP Contingency Planning, FIPS PUB 87, National Bureau of Standards, Gaithersburg, MD, 27 March 1981.

Key Words: contingency, recovery, guidelines.

NBS-83
Guidelines for Life Cycle Validation, Verification and Testing of Computer Software, FIPS PUB 101, National Bureau of Standards, Gaithersburg, MD, 1983.

Key Words: guidelines, software.

NBS-83a
Guidelines for Computer Security Certification and Accreditation, FIPS PUB 102, National Bureau of Standards, Gaithersburg, MD, September 27, 1983.

Key Words: guidelines, methods, certification.

NBS-88
Proceedings, 1988 Computer Security Risk Management Model Builders Workshop, National Bureau of Standards et al., Denver, CO, May 24-26, 1988

Key Words: proceedings, risk.

NES-85
Nesbit, I.S.
"On Thin Ice: Micros and Data Integrity," Datamation, November 1, 1985, pp. 80-84.

Key Words: integrity, PC.

NEU-82
Neugent, W.
"Acceptance Criteria for Computer Security," Proceedings, 1982 National Computer Conference, AFIPS Press, Reston, VA, 1982, pp. 441-448.

Key Words: guidelines, methods.

NOL-85
Nolan, M.
"Disaster Recovery for Online Systems," Proc. IFIP/Sec. '84, Toronto, 1984, (2: FIN-85), pp. 163-174.

Key Words: contingency, revovery.

ORL-88
Orlandi, E.
"Computer Security: Operational or Investment Cost," Proc. IFIP/Sec. '88, Australia, 1989, (2: CAE-89), pp. 381-390.

Key Words: management, methods.

OTW-89
Otwell, K., and B. Aldridge
"The Role of Vulnerability in Risk Management," Proc. 5th Security Applicat. Conf., (4: IEE-89c), 1989, pp. 32-38.

Key Words: vulnerabilities, risk.

PAR-81
Parker, D.B.
Computer Security Management, Reston Publishing Co., Reston, VA, 1981.

Key Words: book, risk, management.

PAR-84
Parker, D.B.
"Safeguard Selection Principles," Computers & Security, May 1984, pp. 81-92.

Key Words: guidelines, methods.

PAS-86
Passori, A.
"Contingency Planning Options Protect Corporate Data Assets," Computerworld, January 27, 1986, pp. 73-74.

Key Words: contingency, recovery, management, methods.

PED-86
Pedigo, J.
"Disaster Recovery: Making Plans That Could Save Your Company," Computerworld, May 12, 1986, pp. 49-60.

Key Words: contingency, recovery, management.

PER-80
Perry, W.E.
Controls in Data Base Environment, Q.E.D. Information Systems, Wellesley Hills, MA, 1980.

Key Words: book, control, database.

PER-80a
Perry, W.E.
How to Test Internal Control and Integrity in Computerized Systems, Management Advisory Publications, Wellesley Hills, MA, 1980.

Key Words: book, control, integrity.

PER-80b
Perry, W.E.
Selecting ADP Audit Areas, EDP Auditors Foundation, Altamonte Springs, FL, 1980.

Key Words: auditing, guidelines.

PER-80c
Management Guide to Computer Security, J. Wiley & Sons, New York, 1980.

Key Words: book, guidelines, methods.

PER-81
Perley, E.H.
"Optimizing the EDP Security Function," EDPACS, April 1981, pp. 1-11.

Key Words: management, policy.

PER-81a
Perry, W.E.
Computer Control and Security, J. Wiley & Sons, New York, 1981.

Key Words: book, control, methods.

PER-82
Perry, W.E.
"Developing Computer Security and Control Strategy," Computers & Security, January 1982, pp. 17-26.

Key Words: control, management.

PER-82a
Perry, W.E. and J.F. Kuong
EDP Risk Analysis and Controls, Management Advisory Publications, Wellesley Hills, MA, 1982.

Key Words: book, risk, controls.

PER-82b
Perry, W.E., and J.F. Kuong
Effective Computer Audit Practices -- ECAP MAnual, Management Advisory Publications, Wellesley Hills, MA, 1982.

Key Words: book, auditing, methods.

PER-82c

Perry, W.E., and J.F. Kuong Generalized Computer Audit Software: Selection and Application, Management Advisory Publications, Wellesley Hills, MA, 1982.

Key Words: book, auditing, software, guidelines, methods.

PER-82d

Perry, W.E. and J.F. Kuong How to Test Internal Control and Integrity in Computerized Systems, Management Advisory Publications, Wellesley Hills, MA, 1982.

Key Words: book, control, guidelines.

PER-83

Perry, W.E. Ensuring Data Base Integrity, J. Wiley & Sons, New York, 1983.

Key Words: book, integrity, methods.

PHE-86

Phelps, N.L. "Top Management's Role in Disaster Recovery," Data Processing & Communications Security, Summer 1986, pp. 16-19.

Key Words: contingency, recovery, policy, management.

PIC-84

Pickard, W.V. "EDP Benefits Control -- A Management Function," EDPACS, February 1984, pp. 1-5.

Key Words: control, management, policy.

POR-81

Porter, W.T., and W.E. Perry EDP Controls and Auditing, 3d Ed., Kent Publishing, Boston, MA, 1981.

Key Words: book, auditing, methods, control, techniques.

PRA-85

Prause, P.N., and G.I. Isaacson "Protecting Personal Computers: A Checklist Approach," Computer Security Journal, Winter 1985, pp. 13-24.

Key Words: guidelines, PC.

PRE-89

Preston, C.M. "Artificial intelligence Applied to Information System Security," Information Age (U.K.), September 1989, pp. 217-221.

Key Words: methods, techniques.

PRI-80

Prichard, J. "Computer Security and Unionization," Information Privacy (UK), March 1980, pp. 69-74.

Key Words: personnel, management.

PRI-84

Prigge, E. "Security and Integrity Issues in End-User Computing," Computer Security, Auditing & Controls, October 1984, pp. A7+.

Key Words: awareness, requirements, integrity.

PRU-86

Pryijm, R.A.M. "The Audit of Software Maintenance," EDPACS, August 1986, pp. 1-5.

Key Words: auditing, software.

PWA-84

Managing Computer Risks: A Guide for the Policymaker, Price Waterhouse, Inc., 1984.

Key Words: book, risk, threats, magagement, guidelines.

QUA-89

Quant, H. "Virus vs. Vaccine," Information Age, April 1989, pp. 138-143.

Key Words: virus, techniques.

RAO-89

Rao, K.N. "Security Audit for Embedded Avionics Systems," Proc. 5th Security Applicat. Conf., (4: IEE-89c), 1989, pp. 78-84.

Key Words: auditing, methods.

RAT-84

Rattner, J. "Security Controls in a Manufacturing Applications System," TeleSystems Journal, March/April 1984, pp. 33-37.

Key Words: controls, methods.

RCM-82

EDP Threat Assessment Concepts and Planning Guide, SIP No.2, Royal Canadian Mounted Police, Ottawa, January 1982.

Key Words: book, guidelines, threats, risk.

RIC-86

Richards, R.M., and J. Yestingsmeier "Risk Management -- A Key to Security in Electronic Funds Transfer Systems," Computers & Security, June 1986, pp. 135-140.

Key Words: risk, management, methods.

RID-86

Riddle, C., and J. Austin "Updating Security, Auditing and Quality Assurance -- The Dedicated On-Line Computer Security Monitor," COM-SAC, Computer Security, Auditing & Controls, Volume 13, No. 1, 1986, pp. A5-A6.

Key Words: auditing, methods.

ROB-83
Roberts, M.B.
EDP Controls: A Guide for EDP Auditors and Accountants, J. Wiley & Sons, New York, 1983.

Key Words: book, auditing.

ROD-81
Rodgers, G.L.
"Auditor's Watchdog Role in Computer Fraud," Commercial Law Journal, May 1981, pp. 172-178.

Key Words: auditing, crime.

RUB-85
Rubin, H.
"Patient Auditing with Potent Results," Security Audit & Control Review, Winter 1985, pp. 4-9.

Key Words: auditing, methods.

RUL-80
Rullo, T.A. (Ed.)
Advances in Computer Security Management, Vol. 1, Heyden & Son, Philadelphia, 1980.

Key Words: book, management.

RUT-80
Ruthberg, Z.G. (Ed.)
Audit and Evaluation of Computer Security II: System Vulnerabilities and Controls Workshop Report, SP 500-57, National Bureau of Standards, Gaithersburg, MD, April 1980.

Key Words: proceedings, auditing.

RUT-84
Ruthberg, Z.G., and W. Neugent
Overview of Computer Security Certification and Accreditation, SP 500-109, National Bureau of Standards, Gaithersburg, MD, April 1984.

Key Words: certification, methods.

RUT-86
Ruthberg, Z., and B. Fisher (Eds.)
Work Priority Scheme for EDP Audit and Computer Security NBSIR 86-3386, National Bureau of Standards, Gaithersburg, MD, March 1986.

Key Words:

SAA-89
Saari, J., and D.B. Parker
"New Baseline Methodology Applied to Reviewing Security Experiences from USA and Finland," Information Age (U.K.), September 1989, pp. 195-198.

Key Words: awareness, methods, international.

SAR-81
Sardinas, J.L., Jr., et al.
EDP Auditing Primer, J. Wiley & Sons, New York, 1981.

Key Words: book, auditing.

SAR-82
Sardinas, J.L., and R.J. Asebrook
"Bridging the Gap Between DP Professionals and Auditors," Computer Security Journal, Winter 1982, pp. 91-97.

Key Words: auditing, personnel.

SCH-80
Schweitzer, J.A.
"Policy Structure Gives the Basis for An Effective Security Program," Security Management, December 1980, pp. 18-25.

Key Words: policy, management.

SCH-80a
Schweitzer, J.A.
"Personal Computing and Data Security," Security World, June 1980, pp. 30-35.

Key Words: guidelines, PC.

SCH-81
Schweitzer, J.A.
"Computing Security Risk Analysis -- Is It Worth It?," Security Management, August 1981, pp. 104-106.

Key Words: risk, management.

SCH-82
Schweitzer, J.A.
Managing Information Security -- A Program for the Electronic Information Age, Butterworth, Woburn, MA, 1982.

Key Words: book, policy, management, methods.

SCH-82a
Schmitt, W.R.
"Data Security Program Development: An Overview," Computer Security Journal, Winter 1982, pp. 23-29.

Key Words: policy, management.

SCH-83
Schweitzer, J.A.
Protecting Information in the Electronic Workplace: A Guide to the Managers, Reston Publish., Reston, VA, 1983.

Key Words: book, guidelines, methods, management.

SCH-83a
Schmidt, P.
"Evaluating Backup Services," Data Mangement, July 1983, pp. 30+.

Key Words: contingency, recovery.

SCH-84
Schweitzer, J.A.
"Personal Workstation Automation Security Vulnerabilities," Computers & Security, February 1984, pp. 21-28.

Key Words: vulnerabilities, PC.

SHA-82
Shaw, J.K., and S.W. Katzke
Executive Guide to ADP Contingency Planning, SP 500-85, National Bureau of Standards, Gaithersburg, MD, January 1982.

Key Words: contingency, guidelines, recovery, management.

SIL-83
Silverman, M.E.
"Contingency Planning: The Backup Site Decision," Computer Security Journal, Spring 1983, pp. 43-50.

Key Words: contingency, recovery, management, methods.

SIZ-89
Sizer, R.
"Computer Security -- A Pragmatic Approach for Managers," Information Age (U.K.), January 1989, pp. 88-97.

Key Words: policy, management guidelines.

SKU-84
Skundra, V.J., and F.J. Lackner
"The Implementation of Concurrent Audit Techniques in Advanced EDP Systems," EDPACS, April 1984, pp. 1-10.

Key Words: auditing, techniques.

SMI-80
Smith, J.E.
"Risk Management for Small Computer Installations," in Rullo, T.A. (Ed.), Advances in Computer Security Management, Vol. 1, Heyden, Philadelphia, 1980, pp. 3-32.

Key Words: risk, management, methods.

SNO-84
Snow, M.
"The First-Time EDP Audit," EDPACS, February 1984, pp. 6-8.

Key Words: auditing, guidelines.

SNO-87
Snow, D., and R.J. Aguilar
"A Mission Driven Process for the Risk Management of ADP Systems," AIAA No. 87-3077, Proc. 3d Aerospace Comp. Sec. Conf., (5: IEE-87b), 1987, pp. 184-154.

Key Words: risk, management, techniques, methods.

SOB-84
Sobol, M.I.
"Data Communications Primer for Auditors," EDPACS, March 1984, pp. 1-5.

Key Words: auditing, networks, methods.

SOC-83
Socha, W.J.
"The Auditor's Own Microcomputer," EDPACS, December 1983, pp. 5-15.

Key Words: auditing, methods, PC.

SRI-81
Srinivasan, C.A., and P.E. Dascher
"Computer Security and Integrity: Problems and Prospects," Infosystems, May 1981, pp. 116-123.

Key Words: awareness, integrity, requirements, methods.

STC-83
St.Clair, L.
"Security for Small Computer Systems," EDPACS, November 1983, pp. 1-10.

Key Words: awareness, methods, PC.

STE-84
Steinauer, D.D.
"Security of Personal Computers: A Growing Concern," Computer Security Journal, Summer 1984, pp. 33-42.

Key Words: awareness, PC, methods, requirements, policy.

STO-80
Stokel, K.J.
"How to Audit Libray Control Software," EDPACS, May 1980, pp. 1-10.

Key Words: auditing, guidelines.

STR-82
Streeter, B.
"People, More than the Technology Are Still Key to EFT Security," ABA Banking Journal, July 1982, pp. 32-37.

Key Words: personnel, threats.

TAL-81

Talbot, J.R.
Management Guide to Computer Security, Halsted Press/J. Wiley & Sons, New York, 1981.

Key Words: book, management, guidelines.

TEA-84

Teas, H.
"Self-Audit of Microcomputer Controls," EDPACS, December 1984, pp. 1-6.

Key Words: auditing, PC, methods.

TIN-89

Ting, T.C.
"Application of Information Security Semantics: A Case of Mental Health Delivery," Proc. IFIP WG 11.3 (Data base) Workshop (6: IFI-89), 1989.

Key Words: methods, database.

TOD-89

Todd, M.A., and C. Guitian
Computer Security Training Guidelines, SP 500-172, National Institute of Standards and Technology, Gaithersburg, MD, November 1989.

Key Words: awareness, guidelines.

TOI-87

Toigo, J.W.
Disaster Recovery Planning: Managing Risk and Catastrophe in Information Systems, Yourdan Press, Englewood Cliffs, NJ, 1987

Key Words: risk, recovery.

TOM-86

Tomkins, F.G., and R.Rice
"Integrating Security Activities into the Software Development Life Cycle and the Software Quality Assurance Process," Computers & Security, September 1986, pp. 218-242.

Key Words: management, software.

TOP-84

Toppen, R.
"Infinite Confidence: The Audit of Communication Networks" Computers & Security, November 1984, pp. 303-313.

Key Words: auditing, networks.

TRO-84

Troy, G.
"Thwarting the Hackers," Datamation, July 1, 1984.

Key Words: hackers, techniques.

TRO-86

Troy, E.F.
Security for Dial-Up Lines, SP 500-137, National Bureau of Standards, Gaithersburg, MD, 1986.

Key Words: techniques, network.

VAN-85

van Eck, W.
"Electromagnetic Radiation from Video Display Units: An Eavesdropping Risk?," Computers & Security, December 1985, pp. 269-286

Key Words: threats, vulnerabilities.

VAN-87

Van Meter, S.D., and J.D. Veatch
"Space Station Program Threat and Vulnerability Analysis," AIAA No. 87-3082, Proc. 3d Aerospace Comp. Sec. Conf., (5: IEE-87b), 1987, pp. 104-107.

Key Words: threats, vulnerabilities.

VDB-84

vd Berg, B., and H. Leenaars
"Advanced Topics on Computer Center Auditing," Computers & Security, October 1984, pp. 171-185.

Key Words: auditing, methods.

VOU-88

Vouitilainen, R.
"Experience in the Use of the SBA Vulnerability Analysis for Improving Computer Security in Finland," Proc. IFIP/Sec. '88, Australia, 1988, (2: CAE-89), pp. 263-271.

Key Words: risk, international.

WAC-89

Wack, J.P., and L.J. Carnahan
Computer Viruses and Related Threats: A Management Guide, SP 500-166, National Institute of Standards and Technology, Gaithersburg, MD, August 1989.

Key Words: viruses, guidelines.

WAD-82

Wade, J.R.
"The Basics of EDP Risk Assessment," Security Management, March 1982, pp. 56-70.

Key Words: risk, management.

WAI-84

Wainwright, O.O.
"Security Management of the Future," Security Management, March 1984, pp. 47-51.

Key Words: management, policy.

WAR-81
Wardlaw, J.
"Pattern Matching for EDP Auditors," EDPACS, March 1981, pp. 1-12.

Key Words: auditing, techniques.

WAR-83
Warren, A.D.
"Evaluating Risks of Computer Fraud and Error," Computers & Security, June 1983, pp. 231-143.

Key Words: risks, techniques.

WAR-83a
Ward, G.
"Micros Pose Mainframe Size Security Problems," Data Mangement, July 1983, pp. 38+

Key Words: vulnerabilities, PC.

WAR-84
Ward, G.M, and R.D. Paterson
"Surviving (and Profiting from) the Audit: Auditors View," Computerworld, September 24, 1984, pp. ID/13-18.

Key Words: auditing, management.

WAR-84a
Warren, A.
"Auditing Computer Systems," Information Resource Management, (UK), March 1984, pp. 36-39.

Key Words: auditing, methods.

WAR-86
Ward, G.M., and J.D. Harris
Managing Computer Risk: A Guide for the Policymaker, J. Wiley & Sons, Inc., 1986.

Key Words: book, risk, methods, guidelines, management.

WEB-81
Weber, R.
EDP Auditing: Conceptual Foundations and Practice, McGraw-Hill, Highstown, NJ, 1981.

Key Words: book, auditing, methods, techniques, management.

WHI-89
White, S.R. and D.M. Chess
Coping with Computer Viruses and Related Problems, RC 14405, IBM Thomas J. Watson Research Center, Yorktown, NY, January 30, 1989

Key Words: viruses, guidelines.

WIE-86
Wiesand, C.G.
"An Audit Approach to Microcomputers," EDPACS, May 1986, pp. 1-18.

Key Words: auditing, methods, PC.

WIL-84
Wilkes, M.V.
"Security Management and Protection: A Personal Approach," The Computer Journal (UK), February 1984, pp. 3-7.

Key Words: management, policy, methods, guidelines.

WIN-83
Winters, C.M.
"Auditing Data Communications Networks," EDPACS, August 1983, pp. 1-9.

Key Words: auditing, networks.

WIN-89
Winkler, J.R., and W.J. Page
"Intrusion and Anomaly Detection in Trusted Systems," Proc. 5th Security Applicat. Conf., (4: IEE-89c), 1989, pp. 39-45.

Key Words: auditing, threats, methods, techniques.

WOD-88
Woda, A.
"Ensuring Reliability and Integrity of Data in EDP Application Systems," COM-SAC, Computer Sec. Auditing & Control, No. 2, 1988, pp. A1-A6.

Key Words: integrity, methods.

WOF-83
Wofsey, M.M. (Ed.)
Advances in Computer Security Management, Vol. 2, J. Wiley & Sons, New York, 1983.

Key Words: book, general, methods, management, techniques.

WON-85
Wong, K.
"Computer Crime -- Risk Management and Computer Security," Computers & Security, December 1985, pp. 287-295.

Key Words: crime, risk, methods, management.

WON-86
Wong, K.
"The Risks Involved in Computerization," The Computer Law and Sec. Report, March-April 1986, pp. 15-18.

Key Words: threats, risks, laws.

WON-86a
Wong, K.
"Effective Computer Security Management," EDPACS, July 1986, pp. 7-10.

Key Words: management, methods.

WOO-83
Wood, C.C.
"Enhancing Information Security with the Information Resource Management Approach," Computers & Security, November 1983, pp. 223-229.

Key Words: management, methods.

WOO-84
Wood, M., and T. Elbra
System Design for Data Protection, National Computer Centre (UK), J. Wiley & Sons, Chichester, 1984.

Key Words: book, techniques.

WOO-85
Wood, C.C.
"Floppy Diskette Security Measures," Computers & Security, September 1985, pp. 223-228.

Key Words: techniques, PC.

WOO-86
Wood, C.C.
"Establishing Internal Technical System Security Standards," Computers & Security, June 1986, pp. 193-200.

Key Words: policy, guidelines, management.

WOO-86a
Wood, C.C.
"Quantitative Risk Analysis and Information System Security," Data Processing & Communications Security, Winter 1986, pp. 8-11.

Key Words: risk, techniques.

WOO-87
Wood, C.C., et al.
Computer Security: A Comprehensive Controls Checklist, J. Wiley & Sons, Somerset, NJ, 1987

Key Words: book, controls, methods, guidelines.

WYS-84
Wysong, E.M., and I. DeLotto
Information Systems Auditing. Proceedings, International Conference, Milan, 1983, North-Holland, Amsterdam, 1984.

Key Words: proceedings, auditing, methods, management.

YAR-84
Yarberry, W.A.
"Managing the EDP Audit Function - A Practical Approach," EDPACS, May 1984, pp. 6-8.

Key Words: auditing, management, personnel.

YAR-84a
Yarberry, W.A.
"Auditing the Change Control System," EDPACS, June 1984, pp. 1-5.

Key Words: auditing, methods, techniques.

YAR-84b
Yarberry, W.A.
"Audit Software: Eliminating the Middle Man," EDPACS, September 1984, pp. 1-4.

Key Words: auditing, software, methods.

3. Foundations

This section cites publications that emphasize fundamental principles, concepts, and models of computer security.

ADK-89
Adkins, M.M., et al.
"The Argus Security Model," Proc. 12th Natl. Comp. Sec. Conf., (5: NCS-89), 1989, pp. 123-134.

Key Words: models, description.

BAD-89
Badger, L.
"A Model for Specifying Multi-Granularity in Integrity Policies," Proc. 1989 IEEE Symp. on Sec. & Privacy, (5: IEE-89b), pp. 269-277.

Key Words: models, integrity, policy.

BEL-88
Bell, D.E.
"Concerning 'Modeling' of Computer Security," Proc. 1988 IEEE Symp. on Sec. & Privacy, (5: IEE-88a), pp. 8-13.

Key Words: modeling, theory, policy.

BEL-88a
Bell, D.E.
"Security Policy Modeling for the Next-Generation Packet Switch," Proc. 1988 IEEE Symp. on Sec. & Privacy, (5: IEE-88a), pp. 212-216.

Key Words: models, policy, network.

BEN-89
Benson, G., W. Appelbe, and I. Akyildiz
"The Hierarchical Model of Distributed Systems Security," Proc. 1989 IEEE Symp. on Sec. & Privacy, (5: IEE-89b), pp. 194-203.

Key Words: model, hierarchical, network.

BER-87
Berry, D.M.
"Towards a Formal Basis for the Formal Development Method and the InaJo Specification Language," IEEE Trans. on Software Engr., February 1987, pp. 184-200.

Key Words: formal, specification.

BIS-81
Bishop, M.
"Hierarchical Take-Grant Systems," Proceedings, 8th ACM Symposium on Operating System Principles, December 1981, pp. 109-122.

Key Words: models, take-grant.

BIS-88
Bishop, M.
"Theft of Information in the Take-Grant Protection Model," Proc. Comp. Sec. Foundat. Workshop, 1988, (3: CSF-88), pp. 194-218.

Key Words: models, take-grant.

BIS-89
Bishop, M.
"A Model of Security Modeling," Proc. 5th Security Applicat. Conf., (4: IEE-89c), 1989, pp. 46-52

Key Words: models, theory.

BOE-84
Boebert, W.E.
"On the Inability of an Unmodified Capability Machine to Enforce the -Property," Proc. 7th Seminar, DoD Comp. Sec. Progr., (5: DOD-84), 1984, pp. 291-293.

Key Words: models, capability, MLS

BOE-85
Boebert, W.E., and R.Y. Kain
"A Practical Alternative to Hierarchical Integrity Policies," Proc. 8th National Comp. Sec. Conf., (5: NCS-85), 1985, pp. 18-27.

Key Words: policy, integrity, methods.

BOE-85a
Boebert, W.E., and C.T. Ferguson
"A Partial Solution to the Discretionary Trojan Horse Problem," Proc. 8th Natl. Comp. Sec. Conf., (5: NCS-85), 1985, pp. 141-144.

Key Words: discretionary, method.

BOE-86
Boebert, W.E., R.Y. Kain, and W.D. Young
"The Extended Matrix Model of Computer Security," ACM Software Engr. Notes, August 1985, pp. 119-125.

Key Words: models, technique.

BOS-89

Boshoff, W.H., and S.H. von Solms "A Path Context Model for Addressing Security in Potentially Non-Secure Environments," Computers & Security, August 1989, pp. 417-425.

Key Words: models, policy, methods.

BOT-83

Bottom, N.R. Jr. "An Informational Theory of Security," Computers & Security, November 1983, pp. 275-280.

Key Words: models, theory.

BRE-89

Brewer, D.F.C., and M.J. Nash "The Chinese Wall Security Policy," Proc. 1989 IEEE Symp. on Sec. & Privacy, (5: IEE-89b), pp. 206-214.

Key Words: models, policy, theory.

BUD-83

Budd, T.A. "Safety in Grammatical Protection Systems," International Journal of Computer and Information Sciences, Vol. 12, No. 6, 1987, pp. 413-431.

Key Words: models, policy, safety.

BUR-88

Burrows, M., R. Needham, and M. Abadi "Authentication: A Practical Study in Belief and Action," Proceedings, 2nd Conference on Theoretical Aspects of Reasoning About Knowledge, Morgan Kaufmann Publishers, Los Altos, CA, 1988, pp. 325-342.

Key Words: proceedings, theory, authentication, methods.

BUR-89

Burrows, M., M. Abadi, and R. Needham "A Logic of Authentication," ACM Operating Systems Review, December 1989, pp. 1-13.

Key Words: authentication, theory.

CAR-84

Carroll, J.M. "Intractable Problems in Computer Security," Transnational Data Report, December 1984, pp. 472- 474.

Key Words: theory, models, policy.

CHE-88

Cheng, P.-C. and V.D.Cligor "A Model for Secure Distributed Computation in Heterogenous Environment," Proc. 4th Aerospace Comp. Sec. Conf., (4: IEE-88b), 1988, pp. 233-241.

Key Words: model, networks.

CLA-87

Clark, D.D., and D.R. Wilson "A Comparison of Commercial and Military Computer Security Policies," Proc. 1987 IEEE Symp. on Sec. & Privacy, (5: IEE-87a), pp. 184-194.

Key Words: models, policy, integrity.

CLA-88

Clark, D.D. and D.R. Wilson "Evolution of a Model for Computer Integrity," Postscript, 11th Natl. Comp. Sec. Conf., (5: NCS-88a), 1988, pp. 14-27.

Key Words: models, integrity.

COH-89

Cohen, F. "Models of Practical Defenses Against Computer Viruses," Computers & Security, April 1989, pp. 149-160.

Key Words: models, virus, methods.

CSF-88

Proceedings, The Computer Security Foundations Workshop, Franconia, NH, June 1988, Report M88-37, The Mitre Corporation, October 1988.

Key Words: proceedings, models, theory, methods.

DAS-89

Dasher, D.N. "Modular Presentation of Hardware: Bounding the Reference Monitor Concept," Proc. 12th Natl. Comp. Sec. Conf., (5: NCS-89), 1989, pp. 591-600.

Key Words: models, methods, MLS.

DIO-81

Dion, L.C. "A Complete Protection Model," Proc. 1981 IEEE Symp. on Sec. & Privacy, (5: IEE-81), pp. 49-55.

Key Words: models, theory.

DIV-88

DiVito, B.L. "Derived Information Sensitivity as a Modeling Technique," Proc. Comp. Sec. Foundat. Workshop, 1988, (3: CSF-88).

Key Words: models, techniques.

DOB-89
Dobson, J.E., and
J.A. McDermid
"A Framework for Expressing Models of Security Policy," Proc. 1989 IEEE Symp. on Sec. & Privacy, (5: IEE-89b), pp. 229-239.

Key Words: models, methods, general.

DOB-89a
Dobson, J.
"Conversational Structures as a Means of Specifying Security Policy," Proc. IFIP WG 11.3 (Data Base) Workshop, (6: IFI-89), 1989.

Key Words: specification, methods.

ELO-85
Eloff, J.H.P.
"The Development of a Specification Language for a Computer Security System," Computers & Security, June 1985, pp. 143-147.

Key Words: specification, methods.

FIN-89
Fine, T., et al.
"Noninterference and Unwinding in LOCK," Proc. Comp. Sec. Foundat. Workshop II, 1989, (3: IEE-89a), pp. 22-28.

Key Words: models, inference, methods.

FOL-87
Foley, S.N.
"A Universal Theory of Information Flow," Proc. 1987 IEEE Symp. on Sec. & Privacy, (5: IEE-87a), pp. 116-121.

Key Words: models, theory, flow.

FOL-89
Foley, S.N.
"A Model of Secure Information Flow," Proc. 1989 IEEE Symp. on Sec. & Privacy, (5: IEE-89b), pp. 248-258.

Key Words: models, theory, flow.

FRE-88
Freeman, J., R. Neely, and
G. Dinolt
"An Internet System Security Policy and Formal Model," Proc. 11th Natl. Comp. Sec.Conf., (5: NCS-88), 1988, pp. 10-19.

Key Words: model, formal, network.

FUG-84
Fugini, M., and G. Martella
"ACTEN: A Conceptual Model for Security Systems Design," Computers & Security, October 1984, pp. 196-214.

Key Words: model, theory.

FUG-87
Fugini, M.G., and G. Martella
"A Petri Net Model of Access Control Mechanisms," Information Systems, Vol. 13, No. 1, 1988.

Key Words: model, control.

GAS-89
Gasser, M.
"An Optimization for Automated Information Flow Analysis," IEEE Cipher, Jan. 1989, pp. 32-36.

Key Words: flow, techniques.

GLA-85
Glasgow, J.I., and
G.H. MacEwen
"A Two-Level Security Model for a Secure Network," Proc. 8th Natl. Comp. Sec. Conf., (5: NCS-85), 1985, pp. 56-63.

Key Words: models, network.

GLA-87
Glasgow, J.J., and
G.H. McEwen
"The Development and Proof of a Formal Specification for a Multi-Level Secure System," ACM Trans. on Computing Systems, Vol. 5, No.2, 1987, pp. 151-184.

Key Words: formal, specifications.

GLA-88
Glasgow, J.J., and
G.H. MacEwen
"Reasoning About Knowledge in Multi-level Secure Distributed Systems," Proc. 1988 IEEE Symp. on Sec. & Privacy, (5: IEE-88a), pp. 122-128.

Key Words: models, theory, MLS.

GLA-88a
Glasgow, J., G.H. MacEwen, and P. Panangaden
"Reasoning about Knowledge and Permission in Secure Distributed Systems," Proc. Comp. Sec. Foundat. Workshop, 1988, (3: CSF-88), pp. 139-146.

Key Words: models, theory, MLS.

GLA-89
Glasgow, J.I., and
G.H. MacEwen
"Obligation as the Basis of Integrity Specification," Proc. Comp. Sec. Foundat. Workshop II, 1989, (3: IEE-89a), pp. 64-70.

Key Words: specification, methods.

GOG-82
Goguen, J.A., and J. Meseguer,
"Security Policies & Security Models," Proc. 1982 IEEE Symp. on Sec. & Privacy, (5: IEE-82), pp. 11-20.

Key Words: models, policy, theory.

GOU-84

Gougen, J.A., and J. Mesgeur "Unwinding and Inference Control," Proc. 1984 IEEE Symp. on Sec. & Privacy, (5: IEE-84), pp. 75-86.

Key Words: model, inference, theory.

GOV-85

Gove, R.A. "Modeling of Computer Networks," Proc. 8th Natl. Comp. Sec. Conf., (5: NCS-85), 1985, pp. 47-55.

Key Words: models, methods, netowrks.

GRO-84

Grove, R.A. "Extending the Bell & LaPadula Security Model," Proc. 7th Seminar, DoD Comp. Sec. Program, (5: DOD-84), 1984, pp. 112-119.

Key Words: models, theory, MLS.

GUT-87

Guttman, J. "Information Flow and Invariance," Proc. 1987 IEEE Symp. on Sec. & Privacy, (5: IEE-87a), pp. 67-73.

Key Words: models, flow, theory.

GUT-88

Guttman, J., and M. Nadel "What Needs Securing," Proc. Comp. Sec. Foundat. Workshop, 1988, (3: CSF-88), pp. 34-57.

Key Words: models, theory.

GUT-89

Guttman, J.D. "The Second Computer Security Foundations Workshop," IEEE Cipher, Fall 1989, pp. 15-26.

Key Words: awareness, models.

HAI-84

Haigh, J.T. "Comparison of Formal Security Policy Models," Proc. 7th Seminar, DoD Comp. Sec. Progr., (5: DOD-84), 1984, pp. 88-111.

Key Words: models, theory, general.

HAI-86

Haigh, J. and W.D. Young "Extending the Noninterference Version of MLS for SAT," Proc. 1986 IEEE Symp. on Sec. & Privacy, (5: IEE-86), pp. 232-239.

Key Words: models, MLS, methods.

HAI-87

Haigh, J. and W.D. Young "Extending the Noninterference Version of MLS for SAT," IEEE Trans. on Software Engr., February 1987, pp. 141-150.

Key Words: models, MLS, methods.

HAR-85

Harrison, M.A. "Theoretical Issues Concerning Protection in Operating Systems," in M.C. Yovits, Ed., Advances in Computers, Vol. 24, Academic Press, New York, 1985.

Key Words: models, theory, general.

HAR-88

Hartman, B.A. "A General Approach to Tranquility in Information Flow Analysis," Proc. Comp. Sec. Foundat. Workshop, 1988, (3: CSF-88).

Key Words: models, flow, methods.

HAR-88a

Harkness, W., adn P. Pittelli "Command Authorization as a Component of Information Integrity," Proc. Comp. Sec. Foundat. Workshop, 1988, (3: CSF-88), pp. 201-226.

Key Words: integrity, techniques.

HEA-89

Heany, J., et al. "Security Model Development Environment," Proc. 5th Security Applicat. Conf., (4: IEE-89c), 1989, pp. 299-307.

Key Words: models, techniques.

HER-89

Herlihy, M.P., and J.M. Wing "Specifying Security Constraints with Relaxation Lattices," Proc. Comp. Sec. Foundat. Workshop II, 1989, (3: IEE-89a), pp. 47-53.

Key Words: specification, methods.

IEE-89

Proceedings, The Computer Security Foundations Workshop II, Franconia, NH, June 11-14, 1989, IEEE Computer Society Press, Washington, DC, June 1989.

Key Words: proceedings, models, theory, methods.

JAC-88

Jacob, J. "Security Specifications," Proc. 1988 IEEE Symp. on Sec. & Privacy, (5: IEE-88a), pp. 14-23.

Key Words: specification, methods.

JAC-88a

Jacob, J.L. "A Security Framework," Proc. Comp. Sec. Foundat. Workshop, 1988, (3: CSF-88), pp. 98-111.

Key Words: models, theory, general.

JAC-89

Jacob, J.
"On the Derivation of Secure Components," Proc. 1989 IEEE Symp. on Sec. & Privacy, (5: IEE-89b), pp. 242-247.

Key Words: models, theory, methods.

JAC-89a

Jacob, J.
"A Note on the Use of Separability for Detection of Covert Channels," IEEE Cipher, Summer 1989, pp. 25-33.

Key Words: covert channel, methods.

JOH-88

Johnson, D.M., and
F.J. Thayer
"Stating Security Requirements with Tolerable Sets," ACM Trans. on Computer Systems, Vol. 6, No. 3, 1988.

Key Words: requirements, methods.

JOH-88a

Johnson, D.M., and
F.J. Thayer
"Security and Composition of Machines," Proc. Comp. Sec. Foundat. Workshop, 1988, (3: CSF-88), pp. 72-89.

Key Words: models, theory.

JOH-89

Johnson, D.M., and
F.J. Thayer
"Security Properties Consistent with Testing Semantics for Communicating Processes," Proc. Comp. Sec. Foundat. Workshop, 1988, (3: CSF-88), pp. 9-21.

Key Words: models, theory, methods.

KAT-89

Katzke, S.W., and
Z. G. Ruthberg (Eds)
Report of the 1987 Invitational Workshop on Integrity Policy in Computer Information System, SP 500-160, National Institute of Standards and Technology, Gaithersburg, MD, 1989.

Key Words: integrity, policy.

KEE-88

Keefe, T.F., W.T. Tsai, and
M.B. Thuraisingham
"A Multilevel Security Model for Object-Oriented Systems," Proc. 11th Natl. Comp. Sec. Conf., (5: NCS-88), 1988, pp. 1-9.

Key Words: models, MLS, methods.

KEE-89

Keefe, T., and W. Tsai
"Security Model Consistency in Secure Object-Oriented Systems" Proc. 5th Security Applicat. Conf., (4: IEE-89c), 1989, pp. 290-298.

Key Words: models, theory, MLS.

KOH-89

Ko, H.-P.
"Security Properties of Ring Brackets," Proc. Comp. Sec. Foundat. Workshop II, 1989, (3: IEE-89a), pp. 41-46.

Key Words: models, techniques.

KOR-88

Korelsky, T., et al.
"ULYSSES: A Computer-Security Modeling Environment," Proc. 11th Natl. Comp. Sec. Conf., (5: NCS-88), 1988, pp. 20-28

Key Words: modeling, techniques.

KOR-88a

Korelsky, T., et al.
"Security Modeling in the Ulysses Environment," Proc. 4th Aerosp. Comp. Sec. Conf., (4: IEE-88b), 1988, pp. 386-392.

Key Words: modeling, techniques.

KRE-80

Kreissig, G.
"A Model to Describe Protection Problems," Proc. 1980 IEEE Symp. on Sec. & Privacy, (5: IEE-80), pp. 9-17.

Key Words: models, methods.

LAN-81

Landwehr, C.E.
"Formal Models for Computer Security," ACM Computing Surveys, September 1981, pp. 247-278.

Key Words: models, formal, general.

LAN-82

Landauer, C., and S. Crocker
"Precise Information Flow Analysis by Program Verification," Proc. 1982 IEEE Symp. on Sec. & Privacy, (5: IEE-82), pp. 74-80.

Key Words: verification, methods.

LAN-84

Landwehr, C.E.,
C.L. Heitmeyer,
and J. McLean
"A Security Model for Military Message Systems," ACM Trans. on Computer Systems, August 1984, pp. 198-222.

Key Words: models, techniques.

LAN-89
Landauer, J., T. Redmond, and T. Benzel
"Formal Policies for Trusted Processes," Proc. Comp. Sec. Foundat. Workshop II, 1989, (3: IEE-89a), pp. 31-40.

Key Words: policy, formal, models.

LAP-89
La Padula, L.J.
"The 'Basic Security Theorem' of Bell and La Padula Revisited," IEEE Cipher, January 1989, pp. 26-31.

Key Words: awareness, models, theory, formal.

LEI-83
Leiss, E.L.
"On Authorization Systems With Grant-or-Controlled Propagation of Privileges," Proceedings, 1983 COMPCON Spring, 1983, pp. 499-502.

Key Words: models, authorization, techniques.

LIN-88
Lin, T.Y.
"A Generalized Information Flow Model and the Role of the Security Officer," Proc. IFIP WG 11.3 Meeting, (6: LAN-88), 1987, pp. 85-103.

Key Words: models, flow, methods.

LIN-89
Lin, T.Y.
"Chinese Wall Security Policy -- An Aggressive Model," Proc. 5th Security Applicat. Conf., (4: IEE-89c), 1989, pp. 282-289.

Key Words: models, policy, theory.

LIN-89a
Lin, T.Y., L. Kershberg, and R.P. Trueblood
"Security Algebras and Formal Models -- Using Petri Net Theory," Proc. IFIP WG 11.3 (Data Base) Workshop, (6: IFI-89), 1989.

Key Words: models, theory, methods

LIU-80
Liu, L.
"On Security Flow Analysis in Computer Systems," Proc. 1980 IEEE Symp. on Sec. & Privacy, (5: IEE-80), pp. 22-33.

Key Words: models, flow, methods, techniques.

LOC-82
Lockman, A., and N. Minsky,
"Unidirectional Transport of Rights and Take-Grant Control," IEEE Trans. on Software Engr., December 1982, pp. 597-604.

Key Words: models, take-grant, techniques, methods.

LUB-89
Lubarsky, R.S.
"Hook-Up Security and Generalized Restrictiveness," Proc. 12th Natl. Comp. Sec. Conf., (5: NCS-89), 1989, pp. 112-122.

Key Words: models, theory.

LUN-88
Lunt, T.F.
"Access Control Policies: Some Unanswered Questions," Proc. Comp. Sec. Foundat. Workshop, 1988, (3: CSF-88), pp. 227-245.

Key Words: policy, control.

MAC-87
MacEwen, G.H., V.Q.W. Poon, and J.I. Glasgow
"A Model for Multilevel Security Based on Operator Nets," Proc. 1987 IEEE Symp. on Sec. & Privacy, (5: IEE-87a), pp. 130-160.

Key Words: models, MLS, methods.

MAR-86
Marcus, L., and T. Redmond
"Semantics of Read," Proc. 9th Natl. Comp. Sec. Conf., (5: NCS-86), 1986, pp. 184-193.

Key Words: models, theory.

MAR-88
Marcus, L., and T. Redmond
"A Model-Theoretic Approach to Specifying, Verifying, and Hooking Up Security Policies," Proc. Comp. Sec. Foundat. Workshop, 1988, (3: CSF-88), pp. 127-138.

Key Words: models, theory, policy.

MAR-89
Marcus, L., and T. Menas
"Safety via State Transition Language Plus Invariants," Proc. Comp. Sec. Foundat. Workshop II, 1989, (3: IEE-89a), pp. 71-77.

Key Words: theory, methods, safety.

MAR-89a
Marcus, L.
"The Search for a Unifying Framework for Computer Security," IEEE Cipher, Fall 1989, pp. 55-63.

Key Words: models, theory, general.

MCC-87
McCullough, D.M.
"Specifications for Multilevel Security and a Hook-Up Property," Proc. 1987 IEEE Symp. on Sec. & Privacy, (5: IEE-87a), pp. 161-166.

Key Words: specification, MLS.

MCC-88
McCullough, D.M.
"Noninterference and the Composability of Security Properties," Proc. 1988 IEEE Symp. on Sec. & Privacy, (5: IEE-88a), pp. 177-186.

Key Words: inference, theory.

MCC-88a
McCullough, D.M.
"Covert Channels and Degrees of Insecurity," Proc. Comp. Sec. Foundat. Workshop, 1988, (3: CSF-88), pp. 1-33.

Key Words: covert channel, theory.

MCC-88b
McCullough, D.M.
Foundations of Ulysses: The Theory of Security, RADC-TR-87-222, U.S. Air Force Rome Air Development Center, Rome, NY, July 1988.

Key Words: verification, theory, MLS.

MCD-89
McDermid, J., and E. Hocking
"Security Policies for Integrated Project Support Environments," Proc. IFIP WG 11.3 (Data Base) Workshop, (6: IFI-89), 1989.

Key Words: policy, techniques.

MCH-86
McHugh, J., and A.P. Moore
"A Security Policy and Formal Top Level Specification for a Multi-Level Secure Local Area Network," Proc. 1986 IEEE Symp. on Sec. & Privacy, (5: IEE-86), pp. 34-39

Key Words: specification, MLS, LAN.

MCH-87
McHugh, J.
"Active vs. Passive Security Models: The Key to Real Systems," Proc. 3d Aerospace Comp. Sec. Conf., (5: IEE-87b), 1987, pp. 15-20.

Key Words: models, theory, general.

MCH-88
McHugh, J.
"A Formal Definition for Information Flow Analysis," Proc. Comp. Sec. Foundat. Workshop, 1988, (3: CSF-88), pp. 147.

Key Words: formal, models, flow.

MCL-84
McLean, J., C.E. Landwehr, and C.L. Heitmyer
"A Formal Statement of the MMS Security Model," Proc. 1984 IEEE Symp. on Sec. & Privacy, (5: IEE-84), pp. 188-194.

Key Words: formal, models, network.

MCL-85
McLean, J.
"A Comment on the Basic Security Theorem of Bell and LaPadula," Information Processing Letters, February 1985, pp. 67-70.

Key Words: models, formal, theory.

MCL-87
McLean, J.
"Reasoning About Security Models," Proc. 1987 IEEE Symp. on Sec. & Privacy, (5: IEE-87a), pp. 123-131

Key Words: models, theory, general.

MCL-88
McLean, J.
"The Algebra of Security," Proc. 1988 IEEE Symp. on Sec. & Privacy, (5: IEE-88a), pp. 2-7.

Key Words: models, theory.

MCL-89
McLean, J., and C. Meadows
"Composable Security Properties," IEEE Cipher, Fall 1989, pp. 27-36.

Key Words: models, theory.

MEN-81
Mennie, A.L., and G.H. MacEwen
"Information Flow Certification Using an Intermediate Code Program Representation," IEEE Trans. on Software Engr., November 1981, pp. 594-607.

Key Words: flow, techniques, verification.

MIL-81
Millen, J.K.
"Information Flow Analysis of Formal Specifications," Proc. 1981 IEEE Symp. on Sec. & Privacy, (5: IEE-81), pp. 3-8.

Key Words: specification, formal, flow, methods.

MIL-84
Millen, J.K.
"A1 Policy Modelling," Proc. 7th Seminar, DoD Comp. Sec. Progr., (5: DOD-84), 1984, pp. 137-145.

Key Words: models, MLS, methods.

MIL-87
Millen, J.K.
"Covert Channel Capacity," Proc. 1987 IEEE Symp. on Sec. & Privacy, (5: IEE-87a), pp. 60-66

Key Words: covert channel, models.

MIL-87a
Millen, J.K.
"Interconnection of Accredited Systems," AIAA No. 87-3075, Proc. 3d Aerosp. Comp. Sec. Conf., (5: IEE-87b), 1987, pp. 60-65.

Key Words: models, techniques.

MIL-89
Millen, J.K.
"Finite-State Noiseless Covert Channels," Proc. Comp. Sec. Foundat. Workshop II, 1989, (3: IEE-89a), pp. 81-86.

Key Words: covert channel, models.

MIL-89a
Millen, J.K.
"Models of Multilevel Computer Security," in M. Yovits, (Ed), Advances in Computers, Academic Press, New York, 1989, pp. 1-40.

Key Words: models, MLS. general.

MIN-83
Minsky, N.H.
"On the Transportation of Privileges," Proc. 1983 IEEE Symp. on Sec. & Privacy, (5: IEE-83a), pp. 41-48.

Key Words: models, take-grant, methods.

MIN-84
Minsky, N.,
"Selective and Logically Controlled Transport of Privileges," ACM Trans. on Programming Languages and Systems, Vol. 6, No. 4, 1984, pp. 573-602.

Key Words: models, take-grant, methods.

MOR-88
Morgenstern, M.
"Spiral Classification for Multilevel Data and Rules," Proc. 11th Natl. Comp. Sec. Conf., (5: NCS-88), 1988, pp. 270-273.

Key Words: models, techniques, MLS.

MOS-87
Moser, L.E.
"Graph Homomorphisms and the Design of Secure Computer Systems," Proc. 1987 IEEE Symp. on Sec. & Privacy, (5: IEE-87a), pp. 88-96

Key Words: models, theory, methods.

MOS-89
Moser, L.E.
"A Logic of Knowledge and Belief for Reasoning about Computer Security," Proc. Comp. Sec. Foundat. Workshop II, 1989, (3: IEE-89a), pp. 57-63.

Key Words: theory, methods, general.

NEU-83
Neumann, P.G.
"Experiences with Formality in Software Development," in D. Ferrari et al (Eds.), Theory and Practice of Software Technology, North-Holland, Amsterdam, 1983.

Key Words: formal, software, methods.

PAG-89
Page, J. et al.
"Evaluation Security Model Rule Base," Proc. 12th Natl. Comp. Sec. Conf., (5: NCS-89), 1989, pp. 98-111.

Key Words: models, theory, methods.

PIT-87
Pittelli, P.A.
"The Bell-LaPadula Computer Security Model Represented as a Special Case of the Harrison-Ruzzo-Ullman Model," Proc. 10th Natl. Comp. Sec. Conf., (5: NCS-87a), 1987, pp. 118-121.

Key Words: models, theory, methods.

PIT-88
Pittelli, P.A.
"Formalizing Integrity Using Non-Interference," Proc. 11th National Comp. Sec. Conf., (5: NCS-88), 1988, pp. 38-42.

Key Words: formal, integrity, theory.

RAN-88
Rangan, P.V.
"An Axiomatic Basis of Trust in Distributed Systems," Proc. 1988 IEEE Symp. on Sec. & Privacy, (5: IEE-88a), pp. 204-211.

Key Words: models, theory, network.

ROS-88
Rosenthal, D.
"An Approach to Increasing Automation of Verification of Security," Proc. Comp. Sec. Foundat. Workshop, 1988, (3: CSF-88), pp. 90-97.

Key Words: verification, techniques.

ROS-88a
Roskos, J.E.
"Minix Security Policy Model," Proc. 4th Aerospace Comp. Sec. Conf., (4: IEE-88b), 1988, pp. 393-399.

Key Words: models, policy, decription.

RUS-84
Rushby, J.
"The Security Model of Enhanced HDM," Proc. 7th Seminar, DoD Comp. Sec. Progr., (5: DOD-84), 1984, pp. 120-136.

Key Words: models, description.

SAN-85
Sandhu, R.S.
"Analysis of Acyclic Attenuating Systems for the SSR Protection Model," Proc. 1986 IEEE Symp. on Sec. & Privacy, (5: IEE-86), pp. 197-206.

Key Words: models, description.

SAN-86
Sandhu, R.S., and M.E. Share
"Some Owner Based Schemes With Dynamic Groups in the Schematic Protection Model," Proc. 1986 IEEE Symp. on Sec. & Privacy, (5: IEE-86), pp. 61-70

Key Words: models, methods.

SAN-88
Sandhu, R.S.
"The Schematic Protection Model: Its Definition and Analysis of Acyclic Attenuation Schemes," Journal of the ACM, No. 2, 1988, pp. 404-432.

Key Words: models, description.

SAN-88a
Sandhu, R.S.
"Expressive Power of the Schematic Protection Model," Proc. Comp. Sec. Foundat. Workshop, 1988, (3: CSF-88), pp. 188-193.

Key Words: models, description.

SAN-89
Sandhu, R.S.
"Transformation of Access Rights," Proc. 1989 IEEE Symp. on Sec. & Privacy, (5: IEE-89b), pp. 259-268.

Key Words: control, techniques.

SAN-89a
Sandhu, R.
"Current State of the Safety Problem in Access Control," IEEE Cipher, Fall 1989, pp. 37-46.

Key Words: control, safety, general.

SAY-86
Saydjari, O.S., and
T. Kremann
"A Standard Notation in Computer Security Models," Proc. 9th Natl. Comp. Sec. Conf., (5: NCS-86), 1986, pp. 194-203.

Key Words: models, methods, general.

SIL-83
Silverman, J.M.
"Reflections on the Verification of the Security of an Operating System," Proceedings, 9th ACM Symposium on Operating Systems Principles, October 1983, pp. 143-154.

Key Words: verification, description.

SNY-81
Snyder, L.
"Formal Models of Capability-Based Protection Systems," IEEE Trans. on Computers, March 1981, pp. 172-181

Key Words: formal, models, capability.

SNY-81b
Snyder, L.
"Theft and Conspiracy in the Take-Grant Model," Journal Comp. and System Sciences, December 1981, pp. 333-347.

Key Words: models, take-grant, threats.

SOR-83
Sorkin, A., and C.J. Buchanan
"Measurement of Cryptographic Capability Protection Algorithms," Computers & Security, November 1983, pp. 101-116.

Key Words: capability, techniques.

STO-81
Stoughton, A.
"Access Flow: A Protection Model which Integrates Access Control and Information Flow," Proc. 1981 IEEE Symp. on Sec. & Privacy, (5: IEE-81), pp. 9-18.

Key Words: models, flow, control.

SUT-86
Sutherland, D.
"A Model of Information," Proc. 9th National Computer Sec. Conf., (5: NCS-86), 1986, pp. 175-183.

Key Words: models, theory, general.

SUT-89

Sutherland, I., S. Perlo, and R. Varadarajaan "Deducibility Security with Dynamic Level Assignments," Proc. Comp. Sec. Foundat. Workshop II, 1989, (3: IEE-89a), pp. 3-8

Key Words: models, theory, general.

TAY-84

Taylor, T. "Comparison Paper Between the Bell-La Padula Model and the SRI Model," Proc. 1984 IEEE Symp. on Sec. & Privacy, (5: IEE-84), pp. 195-202.

Key Words: models, theory, general.

TAY-87

Taylor, T., and B. Hartman "Formal Models, Bell-LaPadula, and Gypsy," Proc. 10th Natl. Comp. Sec. Conf., (5: NSC-10), 1987, pp. 193-200.

Key Words: models, formal, general.

TER-89

Terry, P., and S. Wiseman "A 'New' Security Policy Model," Proc. 1989 IEEE Symp. on Sec. & Privacy, (5: IEE-89b), pp. 215-228.

Key Words: models, theory.

TRU-86

Trueblood, R.P., and A. Sengupta "Dynamic Analysis of the Effects Access Rule Modifications Have Upon Security," IEEE Trans. on Software Engr., August 1986, pp. 866-870.

Key Words: models, techniques.

TSA-87

Tsai, C.-R, V.D. Gligor, and C.S. Chandersekaran "A Formal Method For the Identification of Covert Storage Channels in Source Code," Proc. 1987 IEEE Symp. on Sec. & Privacy, (5: IEE-87a), pp. 74-86

Key Words: covert channel, formal, methods, techniques.

TSA-88

Tsai, C.-R., and V.D. Gligor "A Bandwidth Computation Model for Covert Storage Channels and Its Applications," Proc. 1988 IEEE Symp. on Sec. & Privacy, (5: IEE-88a), pp. 108-121.

Key Words: covert channel, models, techniques.

WEB-89

Weber, D.G., and R. Lubarsky "The SDOS Project -- Verifying Hook-Up Security," Proc. 3d Aerospace Comp. Sec. Conf., (5: IEE-87b), 1987, pp. 7-14.

Key Words: verification, description.

WIL-87

Williams, J.C. and G.W. Dinolt "A Graph-Theoretic Formulation of Multilevel Secure Distributed Systems: An Overview" Proc. 1987 IEEE Symp. on Sec. & Privacy, (5: IEE-87a), pp. 97-103.

Key Words: theory, models, general.

WIL-88

Williams, J.C. and M.L.Day "Security Labels and Security Profiles," Proc. 11th Natl. Comp. Sec. Conf., (5: NCS-88), 1988, pp. 257-266.

Key Words: models, methods, MLS.

WIT-89

Wittbold, J.T., "Controlled Signalling Systems and Covert Channels," Proc. Comp. Sec. Foundat. Workshop II, 1989, (3: IEE-89a), pp. 87-104.

Key Words: covert channel, methods, techniques.

WRA-89

Wray, J.C. "An Optimization for Information Flow Analysis," Proc. Comp. Sec. Foundat. Workshop II, 1989, (3: IEE-89a), pp. 105-110.

Key Words: models, flow, methods.

WUM-81

Wu, M.S. "Hierarchical Protection Systems," Proc. 1981 IEEE Symp. on Sec. & Privacy, (5: IEE-81), pp. 113-123.

Key Words: models, hierarchical.

YOU-89

Young, W.D. "Toward Foundations of Security," IEEE Cipher, Fall 1989, pp. 47-54.

Key Words: models, theory, general.

4. Access Control

This section cites publications on identification and authentication methods (e.g., passwords, biometrical identifiers), traditional access control methods (such as memory and file protection), the use of capabilities and access control lists, and add-on software packages for discretionary access control.

AHI-87

Ahituv, N., Y.Lapid, and S. Neumann "Verifying Authentication of an Information System User," Computers & Security, April 1987, pp. 152-157.

Key Words: authentication, techniques.

ALV-88

Alvare, A., and E. Schultz "A Framework for Password Selection," Proceedings, USENIX UNIX Security Workshop, August 1988.

Key Words: authentication, methods, passwords.

AND-88

Anderson, L. "UNIX Password Security," Proceedings, USENIX UNIX Security Workshop, August 1988.

Key Words: authentication, methods, passwords.

ANC-83a

Ancilotti, P., N.Lijtmaer, and M. Boari "Language Features for Access Control," IEEE Trans. on Software Engr., January 1983, pp. 16-24.

Key Words: control, techniques.

BAC-89

Bacic, E. "Process Execution Controls as a Mechanism to Ensure Consistency," Proc. 5th Security Applicat. Conf. (4: IEE-89c), 1989, pp. 114-120.

Key Words: controls, OS, techniques.

BAN-84

Banton, B.F. and M.S. Barton "User-Friendly Password Methods for Computer-Mediated Information Systems," Computers & Security, October 1984, pp. 186-195.

Key Words: authentication, methods, passwords.

BEK-88

Beker, H. "Secure Access Control and MAC-Based Signatures," Information Age, (U.K.) January 1988, pp. 20-22.

Key Words: control, mandatory.

BON-83

Bonyun, D.A. "The Use of Architectural Principles in the Design of Certifiably Secure Systems," Proc. IFIP/Sec. '83, Stockholm, 1983, (2: FAK-83), pp. 81-94.

Key Words: architecture, design.

BOU-83

Bound, W.A.J. "Securing the Automated Office," Computer Security Journal, Fall/Winter 1983, pp. 97-103.

Key Words: control, techniques.

BOW-88

Bowers, D.M. Access Control and Personal Identification Systems, Butterworths, Boston, 1988.

Key Words: book, control, general.

BRA-84

Brand, S.L., and M.E. Flaherty "Password Management in Practice," Proc. 7th Seminar, DOD Comp. Sec. Progr., (5: DOD-84), 1984, pp. 264-269.

Key Words: authetication, methods, passwords, management.

BRO-84

Brown, R.L. "Computer System Access Control Using Passwords," Proc. IFIP/Sec. '84, Toronto, 1984, (2: FIN-85), pp. 129-142.

Key Words: control, passwords.

BUN-87
Bunch, S.
"The Setuid Feature in UNIX and Security," Proc. 10th Natl. Comp. Sec. Conf., (5: NCS-87a), 1987, pp. 245-253.

Key Words: authentication, methods.

BUR-89
Burk, H., and A. Pfitzmann
"Digital Payment Systems Enabling Security and Unobservability," Computers & Security, August 1989, pp. 399-416.

Key Words: control, methods.

CAR-83
Carlsson, A.
"The Active Card and its Contribution to EDP Security," Proc. IFIP/Sec. '83, Stockholm, 1983, (2: FAK-83), pp. 69-72.

Key Words: control, techniques.

CAR-87
Carroll, J.M.
Computer Security, 2nd Edition, Butterworths, Boston, 1987.

Key Words: book, general, methods, techniques.

CAR-88
Carroll, J.M., et al.
"The Password Predictor -- A Training Aid for Raising Security Awareness," Computers & Security, October 1988, pp. 475-481.

Key Words: authentication, passwords, awareness, techniques.

CAR-88a
Carlton, S.F., J.W. Taylor, and J.L. Wyszynski
"Alternate Authentication Mechanisms," Proc. 11th Natl. Comp. Sec. Conf., (5: NCS-88), 1988, pp. 333-338.

Key Words: authentication, techniques.

CHA-85
Chaum, D.
"Security Without Identification: Transaction Systems to Make Big Brother Obsolete," Communications of the ACM, October 1985, pp. 1030-1044.

Key Words: general, methods.

CHA-86
Chang, C.C.
"On the Design of a Key-Lock-Pair Mechanism in Information Protection Systems," BIT, July 1986, pp. 410-417.

Key Words: control, techniques.

CLE-87
Clements, P.C.
"Engineering More Secure Software Systems," Proc. COMPASS '87: Comp. Assurance, (2: IEE-87), 1987, pp. 79-81.

Key Words: architecture, design.

COH-88
Cohen, F.
"Designing Provably Correct Information Networks with Digital Diodes," Computers & Security, June 1988, pp. 279-286.

Key Words: design, network, hardware.

COM-84
Comer, M. (Ed.)
"How Passwords are Cracked," Computer Fraud and Security Bulletin (U.K.), November 1984, pp. 1-10.

Key Words: threats, passwords.

CON-83
Connolly, W.
"Bypassing the Passwords," Computer Fraud and Security Bulletin, July 1983, pp. 1-7.

Key Words: threats, passwords.

COO-84
Cooper, J.A.
Computer Security Technology, Lexington Books, Lexington, MA, 1984.

Key Words: book, general, methods.

CSC-85
Department of Defense Password Management Guideline, CSC-STD-002-85, National Computer Security Center, Ft. Meade, MD, 12 April 1985.

Key Words: guidelines, passwords.

CSC-88
Trusted Unix Working Group (TRUSIX) Rationale for Selecting Access Control Features for the Unix System, NCSC-TG-020-A, National Computer Security Center, Ft. Meade, MD, 18 August 1988.

Key Words: control, guidelines.

CUS-80
Cushing, S.
"Software Security and How to Handle It," in Rullo, T.A. (Ed.), Advances in Computer Security Management, Vol. 1, Heyden & Son, Philadelphia, 1980, pp. 79-105.

Key Words: software, guidelines.

DAV-81

Davida, G.I., and J. Livesey "The Design of Secure CPU-Multiplexed Computer Systems: The Master/Slave Approach," Proc. 1981 IEEE Symp. on Security & Privacy (5: IEE-81), pp. 133-139.

Key Words: design, control, methods.

DAV-85

Davida, G.I. and B.J. Matt "Crypto-Secure Operating Systems," Proceedings, 1985 National Computer Conference, AFIPS Press, Reston, VA, 1985, pp. 575-581.

Key Words: control, OS, techniques.

DAV-88

Davida, G.I., and B.J. Matt "UNIX Guardians: Active User Intervention in Data Protection," Proc. 4th Aerosp. Comp. Sec. Conf., (4: IEE-88b), 1988, pp. 199-204.

Key Words: control, techniques.

DEB-85

de Bruyne, P. "Signature Verification Using Holistic Measures," Computers & Security, December 1985, pp. 309-315.

Key Words: authentication, methods, techniques.

DEC-89

Security for VAX Systems, Digital Equipment Corporation, Maynard, MA, 1989.

Key Words: book, control, general.

DEH-89

Dehnad, K. "A Simple Way of Improving the Login Security," Computers & Security, November 1989, pp. 607-611.

Key Words: authentication, methods.

DEN-86

Denning, D.E. "An Intrusion Detection Model," Proc. 1986 IEEE Symp. on Security & Privacy, (5: IEE-86), pp. 118-131.

Key Words: auditing, techniques.

DES-86

Deswarte, Y., et al. "A Saturation Network to Tolerate Faults and Intrusions," Proceedings, 5th IEEE Symposium on Reliability in Distributed Software and Database Systems, January 1986, pp. 74-81.

Key Words: architecture, design.

DOB-86

Dobson, J.E., and B. Randell "Building Reliable Secure Computing Systems out of Unreliable, Insecure Components," Proc. 1986 IEEE Symp. on Sec. & Privacy, (5: IEE-86), pp. 187-193

Key Words: architecture, design.

DOW-84

Downs, D.D. "Operating Systems Key Security with Basic Software Mechanisms," Electronics, March 8, 1984, pp. 122-127.

Key Words: OS, techniques.

DPC-83

"Special Issue on Access Control," Data Processing & Comm. Security, Sept/Oct. 1983, pp. 8-29.

Key Words: control, methods, general.

DUC-85

du Croix, A.J. "Data Sharing and Access Protection in Business System 12," Computers & Security, December 1985, pp. 317-323.

Key Words: control, techniques.

DUP-86

Dupy, M., et al. "About Software Security with CP8 Card," Proc. IFIP/Sec. '86, Monte Carlo, 1986, (2: GRI-89).

Key Words: software, techniques.

DUV-88

Duval, S., et al. "Use of Fingerprints as Identity Verification," Proc. IFIP/Sec. '88, Australia, 1989, (2: CAE-89), pp. 479-481.

Key Words: authentication, methods.

ELO-83

Eloff, J.H.P. "Selection Process for Security Packages," Computers & Security, November 1983, p. 256.

Key Words: software, guidelines.

ELS-88
Elsbury, J.
"Personal Authentication Devices: Data Security Applications," Proc. IFIP/Sec. '88, Australia, 1989, (2: CAE-89), pp. 471-478.

Key Words: authentication, methods, techniques.

ENG-87
Engelman, P.D.
"The Application of 'Orange Book' Standards to Secure a Telephone Switching System," Proc. 10th Natl. Comp. Sec. Conf., (5: NCS-87a), 1987, pp. 282-287.

Key Words: control, techniques.

EST-89
Estrin, D., and G. Tsudik
"Security Issues in Policy Routing," Proc. 1989 IEEE Symp. on Sec. & Privacy, (5: IEE-89b), pp. 183-193.

Key Words: control, requirements.

EVA-83
"Evaluating Security Software," Assets Protection, July/August 1983, pp. 9-13.

Key Words: guidelines, software.

FAK-84
Fak, V.
"Characteristics of Good One-Way Encryption Functions for Passwords -- Some Rules for Creators and Evaluators," Proc. IFIP/Sec. '84, Toronto, 1984, (2: FIN-85), pp. 189-191.

Key Words: passwords, techniques.

FAR-86
Farrow, R.
"Security for Superusers, Or How to Break the UNIX System," UNIX/World, May 1986, pp. 65-70.

Key Words: OS, vulnerabilities.

FAY-86
Fray, J.-M., and J.-C. Fraga
"Fragmented Data Processing: An Approach to Secure and Reliable Processing in Distributed Computing Systems," Preprints, International Working Conference on Dependable Computing for Critical Applications, Santa Barbara, CA, August 1989, pp. 131-137.

Key Words: architecture, design.

FEI-86
Feinstein, H.
"Security in Unclassified Sensitive Computer Systems," Proc. 9th Natl. Comp. Sec. Conf., (5: NCS-86), 1986, pp. 81-90.

Key Words: control, techniques.

FIL-86
Filipski, A., and J. Hanko
"Making UNIX Secure," Byte, April 1986, pp. 113-128.

Key Words: control, OS, design.

FIS-84
Fisher, R.P.
Information Systems Security, Prentice-Hall, New York, 1984.

Key Words: book, general, methods, techniques.

FIS-88
Fish, T.
"A Model for Mainframe Access Control Software Selection," EDPACS, May 1988, pp. 1-5.

Key Words: control, model, methods.

FIT-88
Fitzgerald, K.
"Choosing a Logical Access Control Strategy," Proc. IFIP/Sec. '88, Australia, 1989, (2: CAE-89), 1988, pp. 235-244.

Key Words: control, guidelines.

FRA-86
Fray, J.M., Y. Deswarte, and D. Powell
"Intrusion-Tolerance Using Fine-Grain Fragmentation Scattering," Proc. 1986 IEEE Symp. on Sec. & Privacy, (5: IEE-86), pp. 194-201.

Key Words: architecture, design.

FRI-88
Friedman, M.
"Access-Control Software, Information Age, (U.K.), July 1988, pp. 157-161.

Key Words: control, software.

FUG-88
Fugini, M., and R. Zicari
"Authorization and Access Control in the Office-Net Systems," Proc. IFIP/Sec. '88, Australia, 1989, (2: CAE-89), pp. 147-162.

Key Words: control, techniques.

GON-89
Gong, L.
"A Secure Identity-Based Capability System," Proc. 1989 IEEE Symp. on Sec. & Privacy, (5: IEE-89b), pp. 56-63.

Key Words: architecture, capability.

GON-89a
Gong, L.
"On Security of Capability-Based Systems', ACM Operating Systems Review, April 1989, pp. 56-60.

Key Words: control, capability.

GRA-84
Grampp, F.T., and R.H. Morris
"UNIX Operating System Security," Bell System Technical Journal, August 1984, pp. 1651-1971.

Key Words: control, OS, design.

GRA-89
Graubart, R.
"On the Need for a Third Form of Access Control," Proc. 12th Natl. Comp. Sec. Conf., (5: NCS-89), 1989, pp. 296-303.

Key Words: control, requirements.

GRE-81
Green, G., and R.G. Farber
Introduction to Security Principles & Practices, Security World Publishing, Los Angeles, CA, 1981.

Key Words: book, general, methods, techniques.

GRO-84
Grossman, G.
"Gould Software Division's Security Program," Proc. 7th Seminar, DoD Comp. Sec. Progr., (5: DOD-84), 1984, pp. 180-187.

Key Words: control, techniques.

GUY-85
Guynes, S.
"Security of Computer Software," Security Audit & Control Review, Winter 1985, pp. 31-35.

Key Words: control, software, design.

HAG-86
Hagopian, G.
"Planning and Implementing a Security Package, Part I," Computer Security Products Report, Winter 1986, pp. 18-22.

Key Words: control, software, design.

HAG-86a
Hagopian, G.
"Planning and Implementing a Security Package, Part II," Computer Security Products Report, Spring 1986, pp. 18-20.

Key Words: control, software, design.

HAS-84
Haskett, J.A.
"Pass-Algorithms: A User Validation Scheme Based on Knowledge of Secret Algorithms," Communications of the ACM, August 1984, pp. 777-781.

Key Words: control, techniques.

HAY-88
Haykin, M.E., and R.B.J. Warner
Smart Card Technology: New Methods for Computer Access Control, SP 500-157, National Institute of Standards and Technology, Gaithersburg, MD, 1988.

Key Words: control, methods.

HEB-80
Hebbard, B., et al.
"A Penetration of the Michigan Terminal System," ACM Operating Systems Review, January 1980, pp. 7-20.

Key Words: vulnerabilities, OS.

HEN-87
Henning, R.R., and S. A. Walker
"Data Integrity vs. Data Security: A Workable Compromise," Proc. 10th Natl. Comp. Sec. Conf., (5: NCS-87a), 1987, pp. 334-339.

Key Words: control, integrity, design.

HEN-87a
Henderson, S.C.
"A Comparison of Data Access Control Packages: Part I," Computer Security Journal, Vol. IV, No. 2, 1987, pp. 75-111.

Key Words: control, software.

HEN-88
Henderson, S.C.
"A Comparison of Data Access Control Packages: Part II," Computer Security Journal, Vol. V, No. 1, 1988, pp. 67-104.

Key Words: control, software.

HER-89
Herlihy, M.P., and J.D. Tygar
"Implementing Distributed Capabilities Without a Trusted Kernel," International Working Conf. on Dependable Comp. for Critical Applic., Santa Barbara, CA, Aug. 1989, pp. 113-120.

Key Words: OS, capabilities, design.

HIG-85
Highland, H.J.
"Microcomputer Security: Data Protection Techniques," Computers & Security, June 1985, pp. 123-134.

Key Words: control, PC, general.

HIG-86
Highland, H.J.
"How to Modify a Microcomputer Operating System for Added Security," Computers & Security, December 1986, pp. 340-343.

Key Words: OS, PC, guidelines.

HIG-88
Highland, H.J.
"Program Aids for Office Automation Security," Computers & Security, February 1988, pp. 37-43.

Key Words: control, software.

HOG-88
Hogan, C.B.
"Protection Imperfect: The Security of Some Computing Environments," ACM Operating Systems Review, July 1988.

Key Words: control, general, design.

HOS-88
Hosmer, H.H. and M. Merriman
"Using CASE Tools to Improve the Security of Application Systems," Proc. 4th Aerosp. Comp. Sec. Conf., (4: IEE-88b), 1988, pp. 205-208.

Key Words: control, techniques, methods, design.

HOV-83
Hovig, P.L.
"To Install an Access Control System: Activities and Checklists," Proc. IFIP/Sec. '83, Stockholm, 1983, (2: FAK-83), pp. 57-67.

Key Words: control, guidelines.

IBM-83
System Security Guide, IBM System 36, FSC 219042, IBM Corporation, White Plains, NY, 1983.

Key Words: control, guidelines.

IBM-88
AS/400 Programming: Security Concepts and Planning, SC21-8083, IBM Corporation, White Plains, NY, June 1988.

Key Words: control, guidelines.

ISR-83
Israel, J.E. and T.A. Linden
"Authentication in Office System Internetworks," ACM Trans. on Office Infor. Syst., July 1983, pp. 192-210.

Key Words:

JOB-89
Jobush, D.L., and A.E. Oldenhoeft
"A Survey of Password Mechanisms: Weaknesses and Potential Improvements, Part 1," Computers & Security, November 1989, pp. 587-604.

Key Words: control, passwords.

JOB-89a
Jobush, D.L., and A.E. Oldenhoeft
"A Survey of Password Mechanisms: Weaknesses and Potential Improvements. Part 2," Computers & Security, December 1989, pp. 675-689.

Key Words: control, passwords.

JOH-81
Johnston, R.E.
"Security Software Packages," Computer Security Journal, Spring 1981, pp. 15-38.

Key Words: control, software.

JOH-83
Johnston, R.E.
"Comparison of Access Control Software Packages," Computer Security Journal, Fall/Winter, 1983, pp. 19-58.

Key Words: control, software.

JOH-83a
Johnston, R.E.
"Security Software Packages for CICS," Computer Security Journal, Spring 1983, pp. 19-41.

Key Words: control, software.

JOH-83b
Johnston, R.E.
"Comparison of Access Control Software for IBM Operating Systems: ACF2, RACF, SAC, SECURE, TOP SECRET," Computer Security Journal, Fall/Winter 1983, pp. 19-58.

Key Words: control, software.

JOH-89
Johnson, H.L., and C. Arvin
"Security for Embedded Tactical Systems," Proc. 12th Natl. Comp. Sec. Conf., (5: NCS-89), 1989, pp. 339-348.

Key Words: control, requirements.

JON-80
Jonekait, J.
"Gnosis: A Secure Capability Based 370 Operating System," Proc., 3d Seminar, DoD Comp. Sec. Progr., (5: DOD-80a), 1980, pp. G1-G16.

Key Words: control, OS, capability.

JON-86
Jones, R.W.
"The Design of Distributed Secure Logical Machines," ICL Technical Journal (UK), November 1986, pp. 291-308.

Key Words: control, design, network.

JON-89
Jones, R.W.
"Security Classes and Access Rights in a Distributed System," Report, Invitat. Workshop on Data Integrity, NIST, (4: RUT-89), 1989, pp. A.6.1-27.

Key Words: control, network, design.

JOS-89
Joseph, M.K.
"Integration Problems in Fault-Tolerant Secure Computer Design," Preprints, International Working Conference on Dependable Computing for Critical Applications, Santa Barbara, CA, Aug. 1989, pp. 141-147.

Key Words: architecture, design.

JUE-88
Juenemann, R.R.
"Integrity Controls for Military and Commercial Applications," Proc. 4th Aerosp. Comp. Sec. Conf., (4: IEE-88b), 1988, pp. 298-322.

Key Words: control, integrity.

JUE-89
Jueneman, R.R.
"Integrity Controls for Military and Commercial Applications, II," Report, Invitat. Workshop on Data Integrity, NIST, (4: RUT-89), 1989, pp. A.5.1-61.

Key Words: control, integrity.

KAH-88
Kahane, Y., S.Neumann, and C.S. Tapiero
"Computer Backup Pools, Disaster Recovery, and Default Risks," Communications of the ACM, January 1988, pp. 78-83.

Key Words: contingency, risks.

KAI-86
Kain, R.Y., and C.E. Landwehr
"On Access Checking in Capability-Based Systems," Proc. 1986 IEEE Symp. on Sec. & Privacy, (5: IEE-86), pp. 95-101

Key Words: control, capability.

KAI-87
Kain, R.Y., and C.E. Landwehr
"On Access Checking in Capability-Based Systems," IEEE Trans. on Software Engr., February 1987, pp. 202-207.

Key Words:

KAR-88
Karger, P.A.
"Implementing Commercial Data Integrity with Secure Capabilities," Proc. 1988 IEEE Symp. on Sec. & Privacy, (5: IEE-88a), pp. 130-139.

Key Words: integrity, capability.

KAR-88a
Karren, D.T.
"Typical System Access Control Problems and Solutions," Information Age (U.K.), January 1988, pp. 23-32.

Key Words: control, techniques.

KAR-89
Karger, P.A.
"New Methods for Immediate Revocation," Proc. 1989 IEEE Symp. on Sec. & Privacy, (5: IEE-89b), pp. 48-55.

Key Words: capability, methods.

KIE-88
Kielsky, M.
"Security and Access Control Features of the VAX/VMS Operating System," Information Age (U.K.), October 1988, pp. 203-210.

Key Words: control, OS, methods.

KNO-87
Knowles, F., and S. Bunch
"A Least Privilege Mechanism for Unix," Proc. 10th Natl. Comp. Sec. Conf., (5: NCS-87a), 1987, pp. 257-262.

Key Words: control, technique.

KNO-88
Knox, M.J., and E.D. Bowden
"Unix System Security Issues," Information Age (U.K.), April 1988, pp. 67-72.

Key Words: OS, techniques, methods.

KOE-84
Koehring, J.
"Automatic Identity Verification," Information Age, (UK), April 1984, pp. 103-110.

Key Words: authentication, methods.

KON-81
Konigsford, w.L.
"Developing Standards for Operating System Security," Computer Security Journal, Spring 1981, pp. 45-60.

Key Words: control, OS, methods.

KRA-88
Krayem, R.
"Smart Cards: A New Tool for Identification and Access Protection," Information Age, (U.K.), April 1988, pp. 85-88.

Key Words: control, techniques, authentication.

KUR-85

Kurth, H.
"Paper Output Labeling in a Dedicated System Running Under MVS," Proc. 8th Natl. Comp. Sec. Conf., (5: NCS-85), 1985, pp. 86-90.

Key Words: techniques, methods.

KUR-85a

Kurzban, S.A.
"Easily Remembered Passphrases -- A Better Approach," ACM Sec., Audit & Control Review, Fall-Winter 1985, pp. 10-21.

Key Words: control, passwords.

KUR-89

Kurzban, S.
"Toward a Model for Commercial Access Control," Report, Invitat. Workshop on Data Integrity, NIST, (4: RUT-89), 1989, pp. A.9.1-6.

Key Words: control, models.

LAI-89

Laih, C.S., L. Harn, and J.Y. Lee
"On the Design of a Single-Key-Lock Mechanism Based on Newton's Interpolating Polynomial," IEEE Trans. on Software Engr., September 1989, pp. 1135-1137.

Key Words: control, techniques.

LAM-81

Lamport, L.
"Passwords Authentication With Insecure Communication," Communications of the ACM, November 1981, pp. 770-772.

Key Words: authentication, methods, passwords, network.

LAN-89

Landau, C.R.
"Security in a Secure Capability-Based System," ACM Operating Systems Review, October 1988, pp. 2-4.

Key Words: control, capability, techniques.

LAR-86

Larson, J.A.
"Granting and Revoking Discretionary Authority," Information Systems (U.K.), Vol. 13, No. 1, 1988.

Key Words: control, discretionary, methods, techniques.

LEE-84

Lee, T.M.P.
"Future Directions of Security for Sperry Series 1100 Computers," Proc. 7th Seminar, DoD Comp. Sec. Progr., (5: DOD-84), 1984, pp. 161-168.

Key Words: control, design, methods.

LEE-88

Lee, T.M.P.
"Using Mandatory Integrity to Enforce 'Commercial' Security," Proc. 1988 IEEE Symp. on Sec. & Privacy, (5: IEE-88a), pp. 140-146.

Key Words: control, integrity, methods.

LEG-83

Legrand, S.
"Access Control for a Safety Critical Distributed System Interface Set," AIAA No. 87-3083, Proc. 3d Aerosp. Comp. Sec. Conf., (5: IEE-87b), 1987, pp. 108-113.

Key Words: control, techniques.

LEG-88

Legge, J.
"Rendering a Commercial Operating System Security," Proc. IFIP/Sec. '88, Australia, 1989, (2: CAE-89), pp. 273-289.

Key Words: control, OS, methods.

LEV-83

Leveson, N.G., and P.R. Harvey
"Analyzing Software Safety," IEEE Trans. on Software Engr., September, 1983, pp. 569-579.

Key Words: software, safety.

LIP-82

Lipner, S.B.
"Nondiscretionary Controls for Commercial Applications," Proc. 1982 IEEE Symp. on Sec. & Privacy, (5: IEE-82), pp. 2-10.

Key Words: controls, methods, techniques.

LIP-85

Lipner, S.B.
"Secure System Development at Digital Equipment: Targetting the Needs of a Commercial and Government Customer Base," Proc. 9th Natl. Comp. Sec. Conf., (5: NCS-85), 1985, pp. 120-123.

Key Words: developemnt, description.

LIP-85a

Lipton, D.L. and H.K.T. Wong
"Modern Trends in Authentication," ACM Security Audit & Control Review, Winter 1985, pp. 35-42.

Key Words: authentication, general.

LIP-86
Lipton, D.L.
"Logical Authentication Study," ACM Sec., Audit & Control Review, Spring 1986, pp. 9-20.

Key Words: authentication, methods.

LOP-84
Lopriore, L.
"Capability Based Tagged Architectures," IEEE Trans. on Computers, September 1984, pp. 786-803.

Key Words: architecture, capability.

LUK-84
Luke, L.R.
"Password Security Systems," EDPACS, October 1984, pp. 1-6.

Key Words: control, passwords.

LUN-89
Lunt, T.F.
"Access Control Policies: Some Unanswered Questions," Computers & Security, February 1989, pp. 43-54.

Key Words: control, policy.

MAR-87
Maria, A.
"RACF Implementation at Pudget Power," Proc. 10th Natl. Comp. Sec. Conf., (5: NCS-87a), 1987, pp. 91-97.

Key Words: control, software,

MAR-88
Martin, D.F., and J.V. Cook
"Adding ADA Program Verification Capability to the State Delta Verification System (SDVS)," Proc. 11th Natl. Comp. Sec. Conf., (5: NCS-88), 1988, pp. 139-146.

Key Words: verification, methods.

MEN-88
Menkus, B.
"Understanding the Use of Passwords," Computers & Security, April 1988, pp. 132-136.

Key Words: awareness, passwords.

MEN-88a
Menkus, B.
"Understanding Password Compromise," Computers & Security, December 1988, pp. 549-552.

Key Words: awareness, passwords.

MIL-89
Miller, D.V., and R.W. Baldwin
"Access Control by Boolean Expression Evaluation," Proc. 5th Security Applic. Conf., (4: IEE-89c), 1989, pp. 131-139.

Key Words: control, techniques.

MIN-84
Minsky, N.H.
"Selective and Locally Controlled Transport of Privileges," ACM Trans. on Programming Languages and Systems, October 1984.

Key Words: control, techniques.

MOF-88
Moffett, J.D. and M.S. Sloman
"The Source of Authority for Commercial Access Control," IEEE Computer, February 1988, pp. 59-69.

Key Words: control, management.

MOL-84
Molloy, C.
"Improving Security Controls within CICS," TeleSystems Journal, March/April 1984, pp. 3-11.

Key Words: control, methods.

MON-84
Montini, G., and F. Sirovich
"Access Control Models and Office Structures," Proc. IFIP/Sec. '84, Toronto, 1984, (2: FIN-85), pp. 473-485.

Key Words: control, models.

MOR-86
Morshedian, D.
"How to Fight Passwords Pirates and Win," IEEE Computer, January 1986, pp. 104-105.

Key Words: control, passwords.

MUR-84
Murray, W.H.
"Security Considerations for Personal Computers," IBM Systems Journal, No. 3, 1984, pp. 297-304.

Key Words: control, PC, methods.

NBS-85
Password Usage. FIPS-PUB 112, National Bureau of Standards, Gaithersburg, MD, May 1985.

Key Words: passwords, guidelines, techniques, management.

NBS-85a
Standard on Computer Data Authentication, FIPS-PUB 113, National Bureau of Standards, Gaithersburg, MD, May 1985.

Key Words: authentication, methods, guidelines, techniques.

NES-83
Nessett, D.M.
"Security Mechanisms in LINCS," Proc. 6th Seminar, DoD Comp. Sec. Progr., (5: DOD-83a), 1983, pp. 60-64.

Key Words: control, description.

NEW-86
Newsome, R.M.
"Access Controls Within an IBM System/34 Environment," EDPACS, December 1986, pp. 1-6.

Key Words: control, description.

NEW-88
Newberry, M., and J. Seberry
"Experience in Using a Type Signature Password for User Authentication in a Heavily Used Computing Environment," Proc. IFIP/Sec. '88, Australia, (2: CAE-89), 1989, pp. 303-307.

Key Words: control, passwords.

OPA-86
Opaska, W.P.
"Access Control Systems for Personal Computers," EDPACS, August 1986, pp. 6-8.

Key Words: control, PC, methods.

OPA-86a
Opaska, W.P.
"Closing the VAX Default Password 'Backdoor'," EDPACS, September 1986, pp. 6-9.

Key Words: control, passwords, vulnerabilities.

PAA-83
Paans, R., and G. Bonnes
"Surreptitious Security Violation in the MVS Operating System," Computers & Security, June 1983, pp. 144-152.

Key Words: threats, OS, methods.

PAA-86
Paans, R.
A Close Look at MVS Systems: Mechanisms, Performance and Security, North-Holland Elsevier, New York, 1986.

Key Words: book, control, methods.

PAA-86a
Paans, R.
"Performance Aspects of MVS Access Control," Proc. IFIP/Sec. '86, Monte Carlo, 1986, (2: GRI-89).

Key Words: control, description.

PAA-86b
Paans, R., and I.S. Herschberg
"How to Control MVS User SuperVisor Calls," Computers & Security, March 1986, pp. 46-54.

Key Words: control, description.

POS-87
Post, G.V.
"Improving Operating System Security," Computers & Security, October 1987, pp. 417-425.

Key Words: control, OS, methods.

POW-87
Power, J.M., and S.R. White
"Authentication in a Heterogenous Environment," Computers & Security, February 1987, pp. 41-48.

Key Words: authentication, methods.

POZ-86
Pozzo, M.M., and T.E. Gray
"Managing Exposure to Potentially Malicious Programs," Proc. 9th Natl. Comp. Sec. Conf., (5: NCS-86), 1986, pp. 75-80.

Key Words: threats, management.

POZ-89
Pozzo,M., and S. Crocker
"Work-In Progress: Transformation Procedure (TP) Certification," Report, Invitat. Workshop on Data Integrity, NIST, (4: RUT-89), 1989, pp. A.8.1-15.

Key Words: certification, methods.

RAB-89
Rabin, M.O.
"Efficient Dispersal of Information for Security, Load Balancing, and Fault Tolerance," Journal of the ACM, April 1989, pp. 335-348.

Key Words: control, design, methods.

RAJ-82
Rajunas, S.A.
"Meeting Policy Requirements Using Object-Oriented Systems," Proc. 5th Seminar, DoD Comp. Sec. Progr., (5: DOD-82), 1982, pp. 227-232.

Key Words: requirements, policy.

RAL-88
Raleigh, T., and R. Underwood
"CRACK: A Distributed Password Adviser," Proceedings, USENIX UNIX Security Workshop, August 1988.

Key Words: control, passwords.

RAN-86
Randell, B., and J.E. Dobson
"Reliability and Security Issues in Distributed Computing Systems," Proceedings, 5th IEEE Symposium on Reliability in Distributed Software and Database Systems, January 1986, pp. 113-118.

Key Words: control, design, methods.

REE-84
Reeds, J., and P. Weinburger "File Security and the UNIX System Crypt Command," AT&T Bell Lab. Technical Journal, October 1984, pp. 1673-1684.

Key Words: control, techniques.

REI-86
Reid, B. "Lessons from the UNIX Breakin at Stanford," ACM Software Engineering Notes, October 1986, pp. 29-35.

Key Words: OS, vulnerabilities.

REI-88
Reisinger, D.A. "Access Control Methods of VAX/VMA," Information Age, (U.K.), July 1988, pp. 162-168.

Key Words: control, descriptions.

RID-89
Riddle, B.L., M.S. Miron, and J.A. Semo "Passwords in Use in a University Timesharing Environment," Computers & Security, November 1989, pp. 569-579.

Key Words: control, passwords.

ROW-87
Rowe, K.E., and C.O. Ferguson, Jr. "ADA Technology/Compusec Insertion Status Report," Proc. 10th Natl. Comp. Sec. Conf., (5: NCS-87a), 1987, pp. 357-360.

Key Words: control, requirements.

RUT-89
Ruthberg, Z.G., and W.T. Polk Report of the Invitational Workshop on Data Integrity, SP 500-168, National Institute of Standards and Technology, Gaithersburg, MD, Sept. 1989.

Key Words: proceedings, integrity.

SAN-88
Sandhu, R. "Transaction Control Expressions for Separation of Duties," Proc. 4th Aerosp. Comp. Sec. Conf., (4: IEE-88b), 1988, pp. 282-286.

Key Words: integrity, techniques.

SAN-88a
Sandhu, R.S. "The N-Tree: A Two Dimensional Partial Order for Protection," ACM Trans. on Computer Systems, May 1988, pp. 197-222.

Key Words: control, methods.

SAN-88b
Sandhu, R.S. "Nested Categories for Access Control," Computers & Security, December 1988, pp. 599-605.

Key Words: control, methods.

SAN-89
Sandhu, R. "Terminology, Criteria and System Architectures for Data Integrity," Report, Invitat. Workshop on Data Integrity, NIST, (4: RUT-89), 1989, pp. A.4.1-14.

Key Words: control, general, methods, guidelines.

SAT-88
Satyanarayanan, M. "Integrating Security in a Large Distributed System," Postscript, 11th Natl. Comp. Sec. Conf., (5: NCS-88a), 1988, pp. 91-108.

Key Words: control, design, network.

SCH-83
Schweitzer, J.A. "Computer Security: Make Your Passwords More Effective," EDPACS, February 1983, pp. 6-11.

Key Words: control, passwords, methods.

SCH-88
Schokley, W.R. "Implementing the Clark/Wilson Integrity Policy Using Current Technology," Postscript, 11th Natl. Comp. Sec. Conf., (5: NCS-88a), 1988, pp. 29-37.

Key Words: intgerity, policy, methods.

SHA-87
Shannon, T.C. "An Introduction to VAX/VMS Security Mechanisms and Techniques," Computer Security Journal, Vol. IV, No. 2, 1987, pp. 39-47.

Key Words: control, description.

SHE-89
Sherizen, S., and F. Engel "Striving for Unix Security," Computerworld, March 20, 1989, pp. 85-93.

Key Words: control, description.

SIM-81

Simmons, G.J.
"Half a Loaf Is Better than None: Some Novel Integrity Problems," Proc. 1981 IEEE Symp. on Sec. & Privacy, (5: IEE-81), pp. 65-69.

Key Words: integrity, design, methods, requirements.

SIN-85

Singh, K.
"On Improvements to Password Security," ACM Operating Systems Review, January 1985, pp. 53-60.

Key Words: control, passwords.

SMI-87

Smith, S.L.
"Authenticating Users by Word Association," Computers & Security, December 1987, pp. 464-470.

Key Words: authentication, methods.

SOL-88

Sollins, K.R.
"Cascaded Authentication," Proc. 1988 IEEE Symp. on Sec. & Privacy, (5: IEE-88a), pp. 156-163.

Key Words: authentication, methods.

SPE-87

Spender, J.-C.
"Identifying Computer Users with Authentication Devices (Tokens)," Computers & Security, October 1987, pp. 385-395.

Key Words: authentication, methods.

STE-83

Steinauer, D.D.
"Technical Security Issues in Small Computer Systems," Proceedings, 1983 COMPCON Fall, September 1983.

Key Words: control, PC, methods.

STO-89

Stotts, P.S., and R. Furuta
"Access Control and Verification in Petri-Net-Based Hyperdocuments," Proc. COMPASS '89: Comp. Assurance, (2: IEE-89), 1989, pp. 49-55.

Key Words: control, verification, methods.

SUM-84

Summers, R.C.
"An Overview of Computer Security," IBM Systems Journal, Vol. 23, No. 4, 1984, pp. 309-325.

Key Words: control, awareness, general.

SYM-84

Symons, C.R., and J.A. Schweitzer
"A Proposal for an Automated Logical Access Control Standard," Proc. IFIP/Sec. '84, Toronto, 1984, (2: FIN-85), pp. 115-127.

Key Words: control, guidelines.

TAN-82

Tangney, J.D., and P.S. Tasker
"Safeguarding Today's Interactive Computer Systems," Computer Security Journal, Winter 1982, pp. 57-70.

Key Words: control, techniques.

TEN-87

Tensa, D.
"Typical Weaknesses in Operating Systems Software," Information Age, (U.K.), April 1987, pp. 74-78.

Key Words: OS, vulnerabilities.

TEN-88

Tener, W.
"AI and 4GL: Automated Detection and Investigation Tools," Proc. IFIP/Sec. '88, Australia, 1989, (2: CAE-89), pp. 23-29.

Key Words: methods, techniques.

THO-82

Thom, A.B.
"Hardware Security," Computer Security Journal, Winter 1982, pp. 105-107.

Key Words: control, methods, architecture.

THO-88

Thomas, T.
"A Mandatory Access Control Mechanism for the UNIX File System," Proc. 4th Aerosp. Comp. Sec. Conf., (4: IEE-88b), 1988, pp. 173-177,

Key Words: control, mandatory, description.

TUR-86

Turn, R., and J. Habibi
"On the Interactions of Security and Fault-Tolerance," Proc. 9th Natl. Comp. Sec. Conf., (5: NCS-86), 1986, pp. 138-142.

Key Words: control, design, methods.

USA-80

Proceedings, Third Automation Security Workshop, U.S. Army Computer Systems Command, December 1989.

Key Words: proceedings, control.

VAC-89

Vaccaro, H.S., and G.E. Liepins
"Detection of Anomalous Computer Session Activity," Proc. 1989 IEEE Symp. on Sec. & Privacy, (5: IEE-89b), pp. 289-289.

Key Words: control, techniques.

VAN-83
Van de Riet, R.R., and M.L. Kersten
"Privacy and Security in Information Systems Using Language Features," Information Systems, (U.K.), Vol. 8, No. 2, 1983, pp. 95-103.

Key Words: control, methods.

VAN-84
Van de Goor, A.J.
"Effects of Technical Developments on System Security," Computers & Security, November 1984, pp. 315-322.

Key Words: control, design, methods.

VAS-83
Vasak, J.M.
"Issues in Secure System Acquisition," AIAA No. 87-3089, Proc. 3d Aerosp. Comp. Sec. Conf., (5: IEE-87b), 1987, pp. 114-117.

Key Words: control, design, methods.

VET-80
Vetter, L.L.
"Computer Access Control Software," EDPACS, February 1980, pp. 1-12.

Key Words: control, software.

VIN-88
Vinter, S.T.
"Extended Discretionary Access Controls," Proc. 1988 IEEE Symp. on Sec. & Privacy, (5: IEE-88a), pp. 39-49.

Key Words: control, discretionary.

WAG-88
Wagner, D.A.
"System Security in Space Flight Operations Center," Proc. 4th Aerosp. Comp. Sec. Conf., (4: IEE-88b), 1988, pp. 426-430.

Key Words: control, description.

WAL-81
Walsh, M.E.
"Software Security," Journal of Systems Management, October 1981, pp. 6-13.

Key Words: control, software.

WAT-81
Wattam, K.W.
"Virtual Machine Environment -- Security Aspects," Information Privacy, (U.K.), March 1981, pp. 68-74.

Key Words: control, architecture.

WEI-88
Weiss, J.D., and E.G. Amoroso
"Ensuring Software Integrity," Proc. 4th Aerosp. Comp. Sec. Conf., (4: IEE-88b), 1988, pp. 323-330.

Key Words: integrity, software,

WEL-84
Wells, P.
"On-Chip Hardware Supports Computer Security Features," Electronics, March 8, 1984, pp. 128-130.

Key Words: control, architecture.

WEL-88
Wells, C.
"A Note on 'Protection Imperfect'," ACM Operating Systems Review, October 1988.

Key Words: control, methods.

WIL-81
Wilkinson, A.L., et al.
"Penetration, Analysis of the Burroughs Large Systems," ACM Operating Systems Review, January 1981, pp. 14-25.

Key Words: vulnerabilities, threats, description.

WON-85
Wong, R.
"One-Time Passwords Fortify System Security," Computerworld, December 23, 1985, pp. 31-32.

Key Words: control, passwords.

WON-89
Wong, R.M. and Y.E. Ding
"Providing Software Integrity Using Type Managers," Proc. 4th Aerosp. Comp. Sec. Conf., (4: IEE-88b), 1988, pp. 287-298.

Key Words: integrity, software, techniques, methods.

WOO-80
Wood, H.M.
"A Survey of Computer-Based Password Techniques," in Rullo, T.A., (Ed.), Advances in Computer Security Management, Vol. 1, Heyden & Son, Inc. Philadelphia, PA, 1980, pp. 140-167.

Key Words: control, passwords, general.

WOO-83
Wood, C.C.
"Effective Information Systems Security With Password Controls," Computers & Security, January 1983, pp. 5-10.

Key Words: control passwords.

WOO-84
Wood, M., and T. Elbra
System Design for Data Protection, National Computer Centre (UK), J. Wiley & Sons, Chichester, 1984.

Key Words: book, general, control, design, methods.

WOO-85
Wood, C.C.
"Floppy Diskette Security Measures," Computers & Security, September 1985, pp. 223-228.

Key Words: control, PC, methods.

WOO-85a
Wood, P.H., and S.G. Kochan
UNIX System Security, Hayden Publishing Co., Hasbrouck Heights, NJ, 1985.

Key Words: book, control, methods, description.

WOO-86
Wood, C.C., and H.M. Zeidler
"Security Modules: Potent Information Security System Components," Computers & Security, June 1986, pp. 114-121.

Key Words: control, techniques.

WOO-87
Woodcock, M.E.
"The Use of ADA in Secure and Reliable Software," Proc. 10th Natl. Comp. Sec. Conf., (5: NCS-87a), 1987, pp. 362-365.

Key Words: control, software, methods.

WOO-88
Wood, C.C.
"Extended User Authentication: The Next Major Enhancement to Access Packages," Proc. IFIP/Sec. '88, Australia, (2: CAE-89), 1989, pp. 223-234.

Key Words: authentication, methods.

WOR-85
Worthington, T.K., et al.
"IBM Dynamic Signature Verification," Proc. IFIP/Sec. '84, Toronto, 1984, (2: FIN-85), pp. 129-154.

Key Words: authentication, methods.

WUM-84
Wu, M.L., and T.Y. Hwang
"Access Control with Single Key-Lock," IEEE Trans. on Software Engr., May 1984, pp. 185-191.

Key Words: control, technique.

YEO-85
Yeo, G.K.
"Incorporating Access Control in Forms Systems," Computers & Security, June 1985, pp. 109-122.

Key Words: control, methods.

ZAJ-88
Zajac, B.P., Jr.
"Dial-Up Communication Lines: Can They Be Secured," Computers & Security, February 1988, pp. 35-36.

Key Words: control, network.

5. Trusted Systems

This section cites publications on trusted operating systems and trusted systems architecture research and development, formal evaluation criteria, implementation of the reference monitor concept, design of trusted operating systems, descriptions of specific systems, correctness proof methods and techniques for trusted systems, and certification criteria.

ABR-86

Abrams, M.D., H.J. Podell (Eds.), Computer and Network Security Tutorial, IEEE Computer Society Press, Washington, DC, 1986.

Key Words: book, general, methods.

AKL-82

Akl, S.G., and P.D. Taylor "Cryptographic Solution to a Multilevel Security Problem," Proc. Crypto '82, Santa Barbara, (9: CHA-83b), 1982, pp. 237-249.

Key Words: MLS, cryptography.

ALB-87

Albert, S.B. "Criteria Extension for Distributed Systems," AIAA No. 87-3095, Proc. 3d Aerosp. Comp. Sec. Conf., (5: IEE-87b), 1987, pp. 122-127.

Key Words: criteria, networks.

AME-80

Ames, S.R., and J.G. Keeton-Williams "Demonstrating Security for Trusted Applications on a Security Kernel," Proc. 1980 IEEE Symp. on Sec. & Privacy, (5: IEE-80), 145-156.

Key Words: tusted, kernel, methods.

AME-81

Ames, S.R., Jr. "Security Kernels: A Solution or a Problem," Proc. 1981 IEEE Symp. on Sec. & Privacy, (5: IEE-81), pp. 141-150.

Key Words: kernels, general, methods.

AME-83

Ames, S.R. Jr., M. Gasser, and R.R. Schell "Security Kernel Design and Implementation: An Introduction," IEEE Computer, July 1983, pp. 14-22.

Key Words: kernel, design, general.

AND-82

Anderson, J.P. "Accelerating Computer Security Innovations," Proc. 1982 IEEE Symp. on Sec. & Privacy, (5: IEE-82), pp. 91-97.

Key Words: trusted, methods, general.

AND-83

Anderson, J.P. "An Approach to Identification of Minimum TCB requirements for Various Threat/Risk Environments," Proc. 1983 IEEE Symp. on Sec. & Privacy, (5: IEE-83a), pp. 102-104.

Key Words: TCB, requirements, risk.

AND-85

Anderson, E.R. "ADA's Suitability for Trusted Computer Systems," Proc. 1985 IEEE Symp. on Sec. & Privacy, (5: IEE-85), pp. 184-189.

Key Words: trusted, requirements.

ARN-84

Arnold, T.S. "The Practical Aspects of Multi-level Security," Proc. 7th Seminar, DoD Comp. Sec. Progr., (5: DOD-84), 1984, pp. 30-37.

Key Words: MLS, design, methods.

ARN-85

Arnold, T.S. "Multilevel Security from a Practical Point of View," Proc. 8th Natl. Comp. Sec. Conf., (5: NCS-85), 1985, pp. 43-46.

Key Words: MLS, design, methods.

ASH-89

Asby, V.A., T. Gregg, and A. Lee "Security Approach for Rapid Prototyping in Mutlilevel Secure Systems," Proc. 5th Security Applicat. Conf., (4: IEE-89c), 1989, pp. 328-334.

Key Words: MLS, design, methods.

BAR-84
Barnes, D.
"Secure Communications Processor Research," Proc. 7th Seminar, DoD Comp. Sec. Progr., (5: DOD-84), 1984, pp. 312-318.

Key Words: MLS, design, network.

BAR-88
Barker, W.C., P. Cochrane, and M. Branstad
"Embedding Cryptography into a Trusted Mach System," Proc. 4th Aerosp. Comp. Sec. Conf., (4: IEE-88b), 1988, pp. 379-383.

Key Words: OS, design, cryptography.

BAR-89
Barker, W.C.
"Use of Privacy-Enhanced Mail for Software Distribution," Proc. 5th Security Applicat. Conf., (4: IEE-89c), 1989, pp. 344-347.

Key Words: methods, software.

BAX-86
Baxter, M.S.J.
"A Layered Architecture for Multilevel Security," Proc. IFIP/Sec. '86, Monte Carlo, 1986, (2: GRI-89).

Key Words: MLS, architecture.

BEL-84
Bell, D.E.
"Working Toward A1," Proc. 7th Seminar, DoD Comp. Sec. Progr., (5: DOD-84), 1984, pp. 24-29.

Key Words: MLS, trusted, design.

BEN-84
Benzel, T.V.
"Analysis of a Kernel Verification," Proc. 1984 IEEE Symp. on Sec. & Privacy, (5: IEE-84), pp. 125-131.

Key Words: verification, kernel.

BEN-85
Benzel, T.C.V. and D.A. Travilla,
"Trusted Software Verification: A Case Study," Proc. 1985 IEEE Symp. on Sec. & Privacy, (5: IEE-85), pp. 14-31.

Key Words: verification, software.

BEN-89
Benzel, T.C.V.
"Developing Trusted Systems Using DOD-STD-2167A," Proc. 5th Sec. Applicat. Conf., (4: IEE-89c), 1989, pp. 166-176.

Key Words: trused, design, methods.

BER-80
Berstis, V.
"Security and Protection of Data in the IBM System/38," Proceedings, 7th IEEE Conference on Computer Architectures, 1980, pp. 245-252.

Key Words: design, methods, case.

BER-88
Berch, R., et al.
"Use of Automated Verification Tools in a Secure Software Development Methodology," Proc. 11th Natl. Comp. Sec. Conf., (5: NCS-88), 1988, pp. 284-289.

Key Words: verification, software.

BEV-89
Bevier, W.R.
"Kit: A Study in Operating System Verification," IEEE Trans. on Software Engr., November 1989, pp. 1382-1396.

Key Words: verification, OS, case.

BIR-86
Birrell, A.D., et al.
"A Global Authentication Service Without Global Trust," Proc. 1986 IEEE Symp. on Sec. & Privacy, (5: IEE-86), pp. 223-230.

Key Words: authentication, methods.

BLA-81
Blakely, G.R., G. Ma, and L. Swanson
"Security Proofs for Information Protection Systems," Proc. 1981 IEEE Symp. on Sec. & Privacy, (5: IEE-81), pp. 75-88.

Key Words: verification, methods.

BLO-86
Blotcky, S., K. Lynch, and S. Lipner
"SE/VMS: Implementing Mandatory Security in VAX/VMS," Proc. 9th Natl. Comp. Sec. Conf., (5: NCS-86), 1986, pp. 47-54.

Key Words: MLS, design, case.

BOE-85
Boebert, W.E., R.Y. Kain, and W.D. Young
"Secure Computing: The Secure Ada Target Approach," Scientific Honeyweller, July 1985, pp. 1-17.

Key Words: MLS, design, methods.

BOE-85a
Boebert, W.E., et al.
"Secure Ada Target: Issues, System Design, and Verification," Proc. 1986 IEEE Symp. on Sec. & Privacy, (5: IEE-86), pp. 176-183.

Key Words: MLS, verification, design.

BOE-88
Boebert, W.E.
"The LOCK Demonstration," Postscript, 11th Natl. Comp. Sec. Conf., (5: NCS-88a), 1988, pp. 73-88.

Key Words: TCB, architecture, design.

BOE-88a
Boebert, W.E.
"Constructing an Infosec System Using the LOCK Technology," Postscript, 11th Natl. Comp. Sec. Conf., (5: NCS-88a), 1988, pp. 89-95.

Key Words: TCB, design, techniques.

BON-83
Bonyun, D.A.
"The Use of Architectural Principles in the Design of Certifiably Secure Systems," Computers & Security, June 1983, pp. 153-162.

Key Words: architecture, TCB, design.

BON-84
Bonyun, D.A.
"Formal Verification: Its Purpose and Practice," Proc. IFIP/Sec. '84, Toronto, 1984, (2: FIN-85), pp. 217-223.

Key Words: verification, general.

BON-89
Bondi, J.O., and M.A. Branstad
"Architectural Support of Fine-Grained Secure Computing," Proc. 5th Security Applicat. Conf., (4: IEE-89c), 1989, pp. 121-130.

Key Words: architecture, design.

BRA-84
Brand, S.L.
"Environmental Guidelines for Using the DoD Trusted Computer Systems Evaluation Criteria," Proc. 7th Seminar, DoD Comp. Sec. Progr., (5: DOD-84), 1984, pp. 17-23.

Key Words: criteria, guidelines.

BRA-86
Branstad, M.A., et al.
"Trust Issues of MACH-1," Proc. 9th Natl. Comp. Sec. Conf., (5: NCS-86), 1986, pp. 209-212.

Key Words: trusted, OS, policy, case.

BRA-87
Branstad, M., et al.
"Trusted Mach Design," Proc. 3d Aerosp. Comp. Sec. Conf., (5: IEE-87b), 1987, pp. 24-29.

Key Words: OS, design, case.

BRA-88
Branstad, M., and F.L. Mayer
"Access Mediation in Server-Oriented Systems: An Examination of Two Systems," Proc. 11th Natl. Comp. Sec. Conf., (5: NCS-88), 1988, pp. 309-318.

Key Words: control, design, methods.

BRA-88a
Branstad, M., H. Tajalli, and F. Mayer
"Security Issues of the Trusted Mach System," Proc. 4th Aerosp. Comp. Sec. Conf., (4: IEE-88b), 1988, pp. 362-367.

Key Words: trusted, OS, policy, case.

BRA-89
Branstad, M., et al.
"Access Mediation in a Message Passing Kernel," Proc. 1989 IEEE Symp. on Sec. & Privacy, (5: IEE-89b), pp. 66-72.

Key Words: control, kernel, design.

BRA-89a
Branstad., M., and J. Landauer
"Assurance for the Trusted Mach Operating System," Proc. COMPASS-89, Comp. Assurance, (4. IEE-89), pp. 103-108.

Key Words: verification, OS, case.

BRI-85
Britton, D.E.
"Verlangen: A Verification Language for Designs of Secure Systems," Proc. 8th Natl. Comp. Sec. Conf., (5: NCS-85), 1985, pp. 70-81.

Key Words: verification, methods.

BRO-88
Brown, G.L.
"Interdependence of Evaluated Subsystems," Proc. 11th Natl. Comp. Sec. Conf., (5: NCS-88), 1988, pp. 330-332.

Key Words: trusted, design, general.

BUS-83
Bussolati, U. and G. Martella "The Design of Secure Distributed Systems," Proceedings, 1983 IEEE Compcon Spring Conf., 1983, pp. 492-498.

Key Words: trusted, design, general.

CAR-86
Carlson, R.A., and T.F. Lunt, "The Trusted Domain Machine: A Secure Communications Device for Security Guard Applications," Proc. 1986 IEEE Symp. on Sec. & Privacy, (5: IEE-86), pp. 182-186.

Key Words: trusted, network, design.

CAR-87
Carson, M.E., et al. "From B2 to CMU: Building a Compartmental Mode Workstation on a Secure Xenix Base," Proc. 3d Aerosp. Comp. Sec. Conf., (5: IEE-87b), 1987, pp. 35-43.

Key Words: MLS, design, case.

CAR-88
Carroll, J.M. "Implementing Multilevel Security by Violation Privilege," Computers & Security, December 1988, pp. 563-573.

Key Words: MLS, design, methods.

CAS-88
Casey, T.A., et al. "A Secure Distributed Operating System," Proc. 1988 IEEE Symp. on Sec. & Privacy, (5: IEE-88a), pp. 27-38.

Key Words: MLS, OS, network, design.

CAS-89
Casey, T., et al. "Secure Automated Document Delivery," Proc. 5th Security Applicat. Conf., (4: IEE-89c), 1989, pp. 348-355.

Key Words: trusted, methods.

CHE-81
Cheheyl, M.H., et al. "Verifying Security," ACM Computing Surveys, September 1981, pp. 279-339.

Key Words: verification, general.

COO-88
Cook, J., and D.F. Martin "Adding Ada Program Verification Capability to the State Delta Verification System (SDVS)," Proc. 11th Natl. Comp. Sec. Conf., (5: NCS-88), 1988, pp. 139-146.

Key Words: verification, methods.

COR-84
Cornwell, M.R. and R.J.K. Jacob "Structure of a Rapid Prototype Secure Military Message System," Proc. 7th Seminar, DoD Comp. Sec. Program, (5: DOD-84), 1984, pp. 48-57.

Key Words: MLS, design, case, network.

COR-89
Cornwell, M.R. "A Software Engineering Approach to Designing Trustworthy Software," Proc. 1989 IEEE Symp. on Sec. & Privacy, (5: IEE-89b), pp. 148-156

Key Words: trusted, software, design.

COX-81
Cox, L.A., and R.R. Schell "The Structure of a Security Kernel for a Z8000 Multiprocessor," Proc. 1981 IEEE Symp. on Sec. & Privacy, (5: IEE-81), pp. 124-129.

Key Words: kernel, design, case, architecture.

CRA-84
Craigen, D., "Ottawa Euclid and EVES: A Status Report," Proc. 1984 IEEE Symp. on Sec. & Privacy, (5: IEE-84), pp. 114-124.

Key Words: verification, design, case.

CRA-87
Craigen, D. "m-EVES," Proc. 10th Natl. Comp. Sec. Conf., (5: NCS-87a), 1987, pp. 109-117.

Key Words: verification, design, case, methods.

CRO-88
Crocker, S.D., et al. "Reverification of a Microprocessor," Proc. 1989 IEEE Symp. on Sec. & Privacy, (5: IEE-89b), pp. 166-176.

Key Words: verification, architecture, techniques, methods, case.

CRO-88a
Crow, J.S., et al. "EHDM Verification Environment -- An Overview," Proc. 11th Natl. Comp. Sec. Conf., (5: NCS-88), 1988, pp. 147-155.

Key Words: verification, design, case.

CRO-89
Crocker, S.D., and
E.J. Siarkiewics
"Software Methodology for Development of a Trusted MBS," Proc. 5th Security Applicat. Conf., (4: IEE-89c), 1989, pp. 148-165.

Key Words: trusted, software, methods.

CSC-85
Computer Security Requirements -- Guidance for Applying the Department of Defense Trusted Computer System Evaluation Criteria, CSC-STD-003-85, National Computer Security Center, Ft. Meade, MD, 25 June 1985.

Key Words: guidelines, criteria.

CSC-85a
Technical Rationale Behind CSC-STD-003-85: Computer Security Requirements, CSC-STD-004-85, National Computer Security Center, Ft. Meade, MD, 25 June 1985.

Key Words: criteria, guidelines.

CSC-87
A Guide to Understanding Discretionary Access Control in Trusted Systems, NCSC-TG-003, National Computer Security Center, Ft. Meade, MD, 1 June 1988.

Key Words: guidelines, control.

CSC-88
A Guide to Understanding Configuration Management in Trusted Systems, NCSC-TG-006, National Computer Security Center, Ft. Meade, MD, 28 March 1988.

Key Words: guidelines, design.

CSC-88a
A Guide to Understanding Audit inTrusted Systems, NCSC-TG-001, National Computer Security Center, Ft. Meade, MD, 1 June 1988.

Key Words: guidelines, auditing.

CSC-88b
Computer Security Subsystem Interpretation of the Trusted Computer System Evaluation Criteria, NCSC-TG-009, National Computer Security Center, Ft. Meade, MD, 16 September 1988.

Key Words: guidelines, TCB, criteria.

CSC-88c
A Guide to Understanding Design Documentation in Trusted Systems, NCSC-TG-007, National Computer Security Center, Ft. Meade, MD, 2 October 1988.

Key Words: guidelines, design.

CSC-88d
A Guide to Understanding Trusted Distribution in Trusted Systems, NCSC-TG-008, National Computer Security Center, Ft. Meade, MD, 15 December 1988.

Key Words: guidelines, design.

CSC-89
Guidelines for Formal Verification Systems, NCSC-TG-014, National Computer Security Center, Ft. Meade, MD, 1 April 1989.

Key Words: guidelines, verification.

CSC-89a
Rating Maintenance Phase Program Document, NCSC-TG-013, National Computer Security Center, Ft. Meade, MD, 23 June 1989.

Key Words: guidelines, design.

CUM-87
Cummings, P.T., et al.
"Compartmented Mode Workstation: Results Through Prototyping," Proc. 1987 IEEE Symp. on Sec. & Privacy, (5: IEE-87a), pp. 2-12.

Key Words: MLS, design, case, methods.

CUT-88
Cutler, M.
"Verifying Implementation Correctness Using the State Delta Verification System (SDVS)," Proc. 11th Natl. Comp. Sec. Conf., (5: NCS-88), 1988, pp. 156-161.

Key Words: verification, design, case.

DAN-82
Dannenberg, R.B., and
G.W. Ernst
"Formal Program Verification Using Symbolic Execution," IEEE Trans. on Software Engr., January 1982, pp. 43-52.

Key Words: verification, methods.

DAV-80
Davida, G.I., et al.
"A System Architecture to Support a Verifiably Secure Multi-Level Security System," Proc. 1980 IEEE Symp. on Sec. & Privacy, (5: IEE-80), pp. 137-144.

Key Words: MLS, architecture, design.

DIT-82
Dittrich, K.R., et al. "Protection in the OSKAR Operating System: Goals, Concepts, Consequences," Proc. 1982 IEEE Symp. on Sec. & Privacy, (5: IEE-82), pp. 46-56.

Key Words: OS, policy, methods, case.

DIV-87
Di Vito, B.L., and L.A. Johnson "A Gypsy Verifier Assistant," Proc. 10th Natl. Comp. Sec. Conf., (5: NCS-87a), 1987, pp. 183-192.

Key Words: verification, methods.

DOD-80
Proceedings, Second Seminar onthe DoD Computer Security Initiative Program, Department of Defense, Washington, DC, January 1980.

Key Words: proceedings, MLS, design.

DOD-80a
Proceedings, Third Seminar on the DoD Computer Security Initiative Program, Department of Defense, Washington, DC, November 1980.

Key Words: proceedings, MLS, design.

DOD-81
Proceedings, Fourth Seminar on the DoD Computer Security Initiative Program, Department of Defense, Washington, DC, August 1981.

Key Words: proceedings, MLS, design.

DOD-82
Proceedings, Fifth Seminar on the DoD Computer Security Initiative Program, Department of Defense, Washington, DC, May 1982.

Key Words: proceedings, MLS, design.

DOD-83
Proceedings, Sixth Seminar on the DoD Computer Security Initiative, National Bureau of Standards, November 1983.

Key Words: proceedings, MLS, design.

DOD-83a
Department of Defense Trusted Computer System Evaluation Criteria, CSC-STD-001-83, DoD Computer Security Center, Ft. George G. Meade MD, 15 August 1983.

Key Words: MLS, criteria, policy, verification, TCB, design.

DOD-84
Proceedings, Seventh Seminar onthe DoD Computer Security Initiative, DoD Computer Security Center, Ft. Meade, MD, September 1984.

Key Words: proceedings, MLS, design.

DOD-85
Department of Defense Trusted Computer System Evaluation Criteria, DoD 5200.28-STD, U.S. Department of Defense, Washington, DC, December 1985.

Key Words: MLS, TCB, criteria.

DOW-85
Downs, D.D. et al. "Issues in Discretionary Access Control," Proc. 1985 IEEE Symp. on Sec. & Privacy, (5: IEE-85), pp. 208-218.

Key Words: discretionary, control.

ECK-87
Eckman, S.T. "InaFlo: The FDM Flow Tool," Proc. 10th Natl. Comp. Sec. Conf., (5: NCS-87a), 1987, pp. 175-182.

Key Words: verification, methods.

ELO-85
Eloff, J.H.P. "The Development of a Specification Language for a Computer Security System," Computers & Security, June 1985, pp. 143-147.

Key Words: specification, methods.

FAR-86
Farmer, W.M., D.M. Johnson, and F.J. Thayer "Towards A Discipline for Developing Verified Software," Proc. 9th Natl. Comp. Sec. Conf., (5: NCS-86), 1986, pp. 91-98.

Key Words: verification, software.

FEL-87
Fellows, J., et al. "The Architecture of a Distributed Trusted Computing Base," Proc. 10th Natl. Comp. Sec. Conf., (5: NCS-87a), 1987, pp. 68-77.

Key Words: architecture, TCB, network.

FET-88
Fetzer, J.H. "Program Verification: The Very Idea," Communications of the ACM, September 1988.

Key Words: verification, general.

FRA-83

Fraim, L.J.

"SCOMP: A Solution to the MLS Problem," Proc. IFIP/Sec. '83, Stockholm, 1983, (2: FAK-83), pp. 275-286.

Key Words: MLS, design, network, case.

FRA-86

Fraim, L.J.

"The Challenge After A1 -- A View of the Security Market," Proc. 9th Natl. Comp. Sec. Conf., (5: NCS-86), 1986, pp. 41-46.

Key Words: trusted, design, general.

FRE-88

Freeman, J., R. Neely, and L. Megalo

"Developing Secure Systems: Issues and Solutions," Proc. 4th Aerosp. Comp. Sec. Conf., (4: IEE-88b), 1988, pp. 183-190.

Key Words: MLS, design, general.

GAB-86

Gabriele, M.

"Smart Terminals for Trusted Computer Systems," Proc. 9th Natl. Comp. Sec. Conf., (5: NCS-86), 1986, pp. 16-20.

Key Words: trusted, MLS, design, network.

GAM-88

Gambel, D., and S. Walter

"Retrofitting and Developing Applications for a Trusted Computing Base," Proc. 11th Natl. Comp. Sec. Conf., (5: NCS-88), 1988, pp. 344-346.

Key Words: TCB, design, techniques.

GAS-88

Gasser, M.

Building a Secure Computer System, Van Nostrand Reinhold, New York, 1988

Key Words: book, general, MLS, design.

GAS-89

Gasser, M., et al.

"The Digital Distributed System Security Architecture," Proc. 12th Natl. Comp. Sec. Conf., (5: NCS-89), 1989, pp. 305-319.

Key Words: architecture, design, case.

GLA-84

Glasgow, J.I., et al.

"Specifying Multilevel Security in a Distributed System," Proc. 7th Seminar, DoD Comp. Sec. Program, (5: DOD-84), 1984, pp. 319-340.

Key Words: MLS, specification, design.

GLI-83

Gligor, V.D.

"A Note on the Denial of Service Problem," Proc. IEEE Symposium on Security and Privacy, April 1983, pp. 139-149.

Key Words: denial, threats, design.

GLI-83a

Gligor, V.D.

"The Verification of Protection Mechanisms of High-Level Language Machines," International Journal of Computer and Information Sciences, August 1983, pp. 211-246.

Key Words: verification, methods.

GLI-84

Gligor, V.D.

"A Note on Denial-of-Service Problem in Operating Systems," IEEE Trans. on Software Engr., May 1984, pp. 320-324.

Key Words: denial, threats, design.

GLI-85

Gligor, V.D.,

"Analysis of the Hardware Verification of the Honeywell SCOMP," Proc. 1985 IEEE Symp. on Sec. & Privacy, (5: IEE-85), pp. 32-44.

Key Words: verification, case.

GLI-86

Gligor, V.D., et al.

"On the Design and the Implementation of Secure Xenix Workstations," Proc. 1986 IEEE Symp. on Sec. & Privacy, (5: IEE-86), pp. 102-117.

Key Words: MLS, policy, design, case.

GLI-86a

Gligor, V.D., and C.S. Chandersekaran

"Toward the Development of Secure Distributed Systems," Proc. IFIP/Sec. '86, Monte Carlo, 1986, (2: GRI-89).

Key Words: MLS, network, design.

GLI-86b

Gligor, V.D., et al.

"A New Security Testing Method and Its Application to the Secure Xenix Kernel," Proc. 9th Natl. Comp. Sec. Conf., (5: NCS-86), 1986, pp. 40-59

Key Words: verification, design, case.

GLI-87
Gligor, V.D., et al.
"Design and Implementation of Secure Xenix," IEEE Trans. on Software Engr., February 1987, pp. 208-221.

Key Words: MLS, policy, design, case.

GLI-87a
Gligor, V.D., et al.
"A New Security Testing Method and Its Application to Secure Xenix Kernel," IEEE Trans. on Software Engr., February 1987, pp. 169-183.

Key Words: verification, caase.

GOL-81
Golberg, D.L.
"The SDC Communications Kernel," Proc. 4th Seminar, DoD Comp. Sec. Progr., (5: DOD-81), 1981, pp. P1-P33.

Key Words: kernel, network, case.

GOL-84
Gold, B.D., R.R. Linde, and P.F. Cudney
"KVM/370 in Retrospect," Proc. 1984 IEEE Symp. on Sec. & Privacy, (5: IEE-84), pp. 13-23.

Key Words: kernel, design, case.

GOO-88
Good, D.I.
"Producing Secure Digital Information Systems," Proc. 4th Aerosp. Comp. Sec. Conf., (4: IEE-88b), 1988, pp. 180-182.

Key Words: MLS, design, techniques.

GRA-88
Graubart., R.D.
"Dual Labels Revisited," Proc. 4th Aerosp. Comp. Sec. Conf., (4: IEE-88b), 1988, pp. 167-172.

Key Words: MLS, design, techniques.

GRE-89
Grenier, G.-L., R.C. Holt, and M. Funkenhauser
"Policy vs. Mechanism in Secure TUNIS Operating System," Proc. 1989 IEEE Symp. on Sec. & Privacy, (5: IEE-89b), pp. 84-93.

Key Words: policy, design, case.

GUS-87
Guspari, D., C.D. Harper, and N. Ramsey
"An ADA Verification Environment," Proc. 10th Natl. Comp. Sec. Conf., (5: NCS-87a), 1987, pp. 366-371.

Key Words: verification, case.

HAD-88
Hadley, S., et al.
"A Secure SDS Software Library," Proc. 11th Natl. Comp. Sec. Conf., (5: NCS-88), 1988, pp. 246-249.

Key Words: trusted, software, case.

HAI-86
Haigh, J.T., et al.,
"An Experience Using Two Covert Channel Analysis Techniques on a Real System Design," Proc. 1986 IEEE Symp. on Sec. & Privacy, (5: IEE-86), pp. 14-24.

Key Words: covert channel, case.

HAI-87
Haigh, J.T, et al.
"An Experience Using Two Covert Channel Analysis Techniques on a Real System Design," IEEE Trans. on Software Engr., February 1987, pp. 157-168.

Key Words: covert channel, case.

HAI-87a
Haigh, J.T. and W.D. Young
"Extending the Noninterference Version of MLS for SAT," IEEE Trans. on Software Engr., February 1987, pp. 141-150.

Key Words: MLS, model, case.

HAL-85
Haley, C.J., and F.L. Mayer
"Issues on the Development of Security Related Functional Tests," Proc. 8th Natl. Comp. Sec. Conf., (5: NCS-85), 1985, pp. 82-85.

Key Words: verification, design.

HAL-86
Halpern, J.D., et al.
"MUSE -- A Computer-Assisted Verification System," Proc. 1986 IEEE Symp. on Sec. & Privacy, (5: IEE-86), pp. 25-32

Key Words: verification, case.

HAL-87
Halpern, J.D., et al.
"MUSE -- A Computer-Assisted Verification System," IEEE Trans. on Software Engr., February 1987, pp. 151-156.

Key Words: verification, case.

HAL-87a

Halpern, J.D., and S. Owre "Specification and Verification Tools for Secure Distributed Systems," Proc. 10th Natl. Comp. Sec. Conf., (5: NCS-87a), 1987, pp. 78-83.

Key Words: verification, general.

HAL-87b

Hale, M.W. "Using the Computer Security Subsystem Interpretation," AIAA No. 87-3097, Proc. 3d Aerosp. Comp. Sec. Conf., (5: IEE-87b), 1987, pp. 128-130.

Key Words: TCB, criteria, general.

HAR-84

Hartman, B.A. "A Gypsy-Based Kernel," Proc. 1984 IEEE Symp. on Sec. & Privacy, (5: IEE-84), pp. 219-226.

Key Words: verification, kernel, case.

HAR-85

Hardy, N. "KeyKOS Architecture," ACM Operating Systems Review, October, 1985.

Key Words: architecture, kernel, case.

HAR-89

Harrold, C.L. "An Introduction to the SMITE Approach to Secure Computing," Computers & Security, October 1989, pp. 495-505.

Key Words: MLS, methods, design, case.

HAR-89a

Harrison, L.J. "Security Issues and Ada Runtime Support," Proc. 5th Security Applicat. Conf., (4: IEE-89c), 1989, pp. 177-183.

Key Words: MLS, methods, case.

HEN-85

Henning, R.R. "Multilevel Application Development," Proc. 8th Natl. Comp. Sec. Conf., (5: NCS-85), 1985, pp. 137-140.

Key Words: MLS, design, methods.

HEN-88

Henning, M., and A. Rhode "On the Suitability of Z for the Specification of Verifiably Secure Systems," Proc. IFIP/Sec. '88, Australia, 1989, (2: CAE-89), pp. 197-221.

Key Words: specification, case.

HIN-89

Hinke, T.H. "The Trusted Server Approach to Multilevel Security," Proc. 5th Security Applicat. Conf., (4: IEE-89c), 1989, pp. 335-341.

Key Words: MLS, methods, design.

IEE-80

Proceedings, 1980 IEEE Symposium on Security and Privacy, Oakland, CA, April 14-16, 1980, IEEE Computer Society Press, Washington, DC, 1980.

Key Words: proceedings, research.

IEE-81

Proceedings, 1981 IEEE Symposiumon Security and Privacy, Oakland, CA, April 27-29, 1981, IEEE Computer Society Press, Washington, DC, 1981.

Key Words: proceedings, research.

IEE-82

Proceedings, 1982 IEEE Symposium on Security and Privacy, Oakland, CA, April 1982, IEEE Computer Society Press, Washington, DC, 1982.

Key Words: proceedings, research.

IEE-83

"Data Security in Computer Networks, Special Issue," IEEE Computer, February 1983.

Key Words: MLS, networks, methods, design, cryptography.

IEE-83a

Proceedings, 1983 IEEE Symposium on Security and Privacy, Oakland, CA, April 25-27, 1983, IEEE Computer Society Press, Washington, DC, 1983.

Key Words: proceedings, research.

IEE-83b

"Computer Security Technology, Special Issue," IEEE Computer, July 1983.

Key Words: MLS, methods, design, kernel, research.

IEE-84

Proceedings, 1984 IEEE Symposium on Security and Privacy, Oakland, CA, April 29-May 2, 1984, IEEE Computer Society Press, Washington, DC, 1984.

Key Words: proceedings, research.

IEE-85

Proceedings, 1985 IEEE Symposiumon Security and Privacy, Oakland, CA, April 22-24, 1985, IEEE Computer Society Press, Washington, DC, 1985.

Keywords; proceedings, research.

IEE-85a

Proceedings, 1985 IEEE Aerospace Computer Security Conference, IEEE Computer Society Press, Washington DC, March 1985.

Key Words: proceedings, design, methods, case.

IEE-86

Proceedings, 1986 IEEE Symposium on Security and Privacy, Oakland, CA, April 7-9, 1986, IEEE Computer Society Press, Washington, DC, 1986.

Key Words: proceedings, research.

IEE-86a

Proceedings, Second Aerospace Computer Security Conference, IEEE Computer Society Press, Washington, DC, 1986.

Key Words: proceedings, design, methods, case.

IEE-87

Proceedings, 1987 IEEE Symposium on Security and Privacy, Oakland, CA, April 27-29, 1987, IEEE Computer Society Press, Washington, DC, 1987.

Key Words: proceedings, research.

IEE-87a

Proceedings, Third Aerospace Computer Security Conference, IEEE Computer Society Press, Washington, DC, 1987.

Key Words: proceedings, design, methods, case.

IEE-88

Proceedings, 1988 IEEE Symposiumon Security and Privacy, Oakland, CA, April 18-21, 1988, IEEE Computer Society Press, Washington, DC, 1988.

Key Words: proceedings, research.

IEE-88a

Proceedings, Fourth Aerospace Computer Security Conference, IEEE Computer Society Press, Washington, DC, December 1988.

Key Words: proceedings, design, methods, case.

IEE-89

Proceedings, 1989 IEEE Symposium on Security and Privacy, Oakland, CA, May 1-3, 1989, IEEE Computer Society Press, Washington, DC, 1989.

Key Words: proceedings, research.

IEE-89a

Proceedings, Fifth Security Applications Conference, IEEE Computer Society Press, Washington, DC, December 1989.

Key Words: proceedings, design, case.

IRV-88

Irvine, C.E., et al.
"Genesis of a Secure Application: A Multilevel Secure Message Preparation Workstation Development," Proc. 4th Aerosp. Comp. Sec. Conf., (4: IEE-88b), 1988, pp. 16-29.

Key Words: MLS, policy, design, case.

JAN-89

Janieri, J.V.A., J.S. Barlas, and L.L. Chang
"Adding CASE Technologies to Formal Verification"' Proc. 12th Natl. Comp. Sec. Conf., (5: NCS-89), 1989, pp. 52-64.

Key Words: verification, methods.

JOH-89

Johnson, L.A.
"Formal Specification & Verification: Fundamental Concerns," IEEE Cipher, April 1989, pp. 25-33.

Key Words: verification, general.

JOS-87

Joseph, M.K.
"Toward the Elimination of the Effects of Malicious Logic: Fault Tolerance Approaches," Proc. 10th Natl. Comp. Sec. Conf., (5: NCS-87a), 1987, pp. 238-244.

Key Words: denial, design, methods.

KAR-84

Karger, P.A., and A.J. Herbert
"An Augmented Capability Architecture to Support Lattice Security and Traceability of Access," Proc. 1984 IEEE Symp. on Sec. & Privacy, (5: IEE-84), pp. 2-12.

Key Words: architecture, capability.

KAR-87

Karger, P.A.
"Limiting the Damage Potential of Discretionary Trojan Horses," Proc. 1987 IEEE Symp. on Sec. & Privacy, (5: IEE-87a), pp. 32-37.

Key Words: threats, vulnerabilities, methods, discretionary.

KAU-87

Kaufmann, M., and W.D. Young "Comparing Specification Paradigms for Secure Systems: Gypsy and the Boyer-Moore Model," Proc. 10th Natl. Comp. Sec. Conf., (5: NCS-87a), 1987, pp. 122-128.

Key Words: specification, methods, design, case.

KEM-80

Kemmerer, R. "FDM: A Formal Methodology for Software Development," Proc. 3d Seminar, DoD Comp. Sec. Progr., (5: DOD-80b), 1980, pp. L1-19.

Key Words: specification, methods, case.

KEM-82

Kemmerer, R.A. "A Practical Approach to Identifying Storage and Timing Channels," Proc. 1982 IEEE Symp. on Sec. & Privacy (5: IEE-82), pp. 66-73.

Key Words: covert channel, methods.

KEM-86

Kemmerer, R.A. Verification Assessment Study Final Report, C3-CR01-86, National Computer Security Center, Ft. Meade, MD, 1986.

Key Words: verification, general.

KET-88

Ketcham, L.R. "Program Containment in a Software-Based Security Architecture," Proc. 11th Natl. Comp. Sec. Conf., (5: NCS-88), 1988, pp. 299-308.

Key Words: design, methods, software.

KIN-88

King, G., and B. Smith "INFOSEC IRAD at Magnavox: The Trusted Military Message Processor (TRUMMP) & the Military Message Embedded Executive (ME2)," Proc. 11th Natl. Comp. Sec. Conf., (5: NCS-88), 1988, pp. 250-256.

Key Words: design, network, case.

KIN-88a

King, G., and W. Smith "An Alternative Implementation of the Reference Monitor Concept," Proc. 4th Aerosp. Comp. Sec. Conf., (4: IEE-88b), 1988, pp. 159-166.

Key Words: MLS, model, design.

KOR-84

Korelskiy, T., and D. Sutherland "Formal Specification of a Multi-Level Secure Operating System," Proc. 1984 IEEE Symp. on Sec. & Privacy, (5: IEE-84), pp. 209-218.

Key Words: MLS, specification, case.

KRA-83

Kramer, S.M., and D.P. Sidhi "Security Information Flow in Multidimensional Arrays," IEEE Trans. on Computers, December 1983, pp. 1188-1190.

Key Words: MLS, models, flow.

KRA-84

Kramer, S. "Linus IV--An Experiment in Computer Security," Proc. 1984 IEEE Symp. on Sec. & Privacy, (5: IEE-84), pp. 24-32.

Key Words: MLS, OS, design, case.

KUH-88

Kuhn, D.R. "Static Analysis Tools for Software Security Certification," Proc. 11th Natl. Comp. Sec. Conf., (5: NCS-88), 1988, pp. 290-298.

Key Words: certification, software.

LAM-85

Lampson, B.W. "Protection," ACM Operating Systems Review, December 1985, pp. 13-24.

Key Words: policy, models, general.

LAN-81

Landwehr, C.E. "Assertions for Verification of Multi-Level Secure Military Message Systems," ACM Software Engineering Notes, Vol. 5, No.3, July 1980.

Key Words: verification, methods.

LAN-82

Landauer, C., and S. Crocker "Precise Information Flow Analysis by Program Verification," Proc. 1982 IEEE Symp. on Sec. & Privacy, (5: IEE-82), pp. 74-80.

Key Words: verification, methods, flow.

LAN-83

Landwehr, C.E. "The Best Available Technologies for Computer Security," IEEE Computer, July 1983, pp. 89-100.

Key Words: design, methods, general.

LAN-83a
Landwehr, C.E.
"Requirements for Class A1 Systems and Major Differences between Division A and Division B Systems," Proc. 6th Seminar, DoD Comp. Sec. Program, (5: DOD-83a), 1983, pp. 27-32

Key Words: MLS, criteria, general.

LAN-84
Landwehr, C.E., and J.M. Carroll
"Hardware Requirements for Secure Computer Systems: A Framework," Proc. IEEE Sympos. on Security and Privacy, April 1984, pp. 34-40.

Key Words: architecture, general.

LAN-85
Landwehr, C.E., and H.O. Lubbes
"Determining Security Requirements for Complex Systems with the Orange Book," Proc. 8th Natl. Comp. Sec. Conf., (5: NCS-85), 1985, pp. 156-162.

Key Words: requirements, criteria.

LEE-89
Lee, T.M.P.
"Statistical Models of Trust: TCBs vs. People," Proc. 1989 IEEE Symp. on Sec. & Privacy, (5: IEE-89b), pp. 10-19.

Key Words: trusted, models, general.

LEV-80
Levitt, K.N., P.G. Neumann, and L. Robinson
The SRI Hierarchical Development Methodology and Its Application to Development of Secure Systems, SP 500-67, NBS, Gaithersburg, MD, 1980.

Key Words: MLS, methods, design, case.

LEV-89
Levin, T, S.J. Padilla, and C.E. Irvine
"A Formal Model for UNIX Setuid," Proc. 1989 IEEE Symp. on Sec. & Privacy, (5: IEE-89b), pp. 73-83.

Key Words: models, OS, case.

LEV-89a
Levin, T.E., S.J.Padilla, and R.R. Schell
"Engineering Results from the A1 Formal Verification Process," Proc. 12th Natl. Comp. Sec. Conf., (5: NCS-89), 1989, pp. 65-74.

Key Words: verification, design, case.

LOE-85
Loeper, K.
"Resolving Covert Channels Within a B2 Class Secure System," ACM Operating Systems Review, July 1985.

Key Words: covert channel, case.

LOE-89
Loepere, K.
"The Covert Channel Limiter Revisted," ACM Operating Systems Review, April 1989, pp. 39-44.

Key Words: covert channel, case.

LUC-86
Luckenbaugh, G.L., et al.
"Interpretation of the Bell-LaPadula Model in Secure Xenix," Proc. 9th Natl. Comp. Sec. Conf., (5: NCS-86), 1986, pp. 113-125.

Key Words: model, methods, case.

LUM-89
Lu, M.M.
"Guidelines for Formal Verification Systems: Overview and Rationale," Proc. 12th Natl. Comp. Sec. Conf., (5: NCS-89), 1989, pp. 75-82.

Key Words: verification, guidelines.

MAC-83
MacEwen, G.H.
"The Design for A Secure System Based on Program Analysis," IEEE Trans. on Software Engr., May 1983, pp. 289-298.

Key Words: MLS, design, case.

MAC-84
MacEwen, G.H., and D.T. Barnard
"The Euclid Family and Its Relation to Secure Systems," Proc. 7th Seminar, DoD Comp. Sec. Program, (5: DOD-84), 1984, pp. 79-87.

Key Words: specification, case.

MAC-84a
MacEwen, G.H., B. Burwell, and Z.J. Lu,
"Multi-Level Security Based on Physical Distribution," Proc. 1984 IEEE Symp. on Sec. & Privacy, (5: IEE-84), pp. 167-177.

Key Words: MLS, nethods, design.

MAR-83
Marick, B.
"The VERUS Design Verification System," Proc. 1983 IEEE Symp. on Sec. & Privacy, (5: IEE-83a), pp. 150-160.

Key Words: verification, case.

MAR-84
Margulis, B.I.
"An Overview of Multics Security," Proc. IFIP/Sec. '84, Toronto, (2: FIN-85), 1984, pp. 225-235.

Key Words: architecture, design, case.

MAR-88
Marmor-Squires, A.B., and P.A. Rougeau
"Issues in Process Models and Integrated Environments for Trusted Systems Development," Proc. 11th Natl. Comp. Sec. Conf., (5: NCS-88), 1988, pp. 109-113.

Key Words: trusted, models, design, general.

MAR-89
Marceau, C., and C.D. Harper
"An Interactive Approach to ADA Verification," Proc. 12th Natl. Comp. Sec. Conf., (5: NCS-89), 1989, pp. 28-51.

Key Words: verification, methods, case.

MAR-89a
Marmor-Squires, A., et al.
"A Risk Driven Process Model for the Development of Trusted Systems," Proc. 5th Security Applicat. Conf., (4: IEE-89c), 1989, pp. 184-192.

Key Words: trusted, model, risk, methods, design.

MAY-88
Mayer, F.L.
"An Interpretation of a Refined Bell-LaPadula Model for the T-Mach Kernel," Proc. 4th Aerosp. Comp. Sec. Conf., (4: IEE-88b), 1988, pp. 368-378.

Key Words: MLS, model, kernel, case, methods, design.

MAY-89
Mayer, F.L., and J.N. McAuliffe
"The Design of the Trusted Workstation: A True 'INFOSEC' Product," Proc. 12th Natl. Comp. Sec. Conf., (5: NCS-89), 1989, pp. 135-145.

Key Words: trusted, design, case, network.

MCD-88
McDermott, J.
"A Technique for Removing an Important Class of Trojan Horses from Higher Order Languages," Proc. 11th Natl. Comp. Sec. Conf., (5: NCS-88), 1988, pp. 114-117.

Key Words: threats, techniques.

MCH-85
McHugh, J.
"An EMACS Based Downgrader for the SAT," Proc. 8th Natl. Comp. Sec. Conf., (5: NCS-85), 1985, pp. 133-136.

Key Words: MLS, techniques, case.

MCH-85a
McHugh, J. and D.I. Good
"An Information Flow Tool for Gypsy," Proc. 1985 IEEE Symp. on Sec. & Privacy, (5: IEE-85), pp. 46-48.

Key Words: verification, methods, case.

MCM-85
McMahon, E.M.
"Restricted Access Processor -- An Application of Computer Security Technology," Proc. Aerospace Computer Sec. Conf., (5: IEE-85a), 1985, pp. 71-73.

Key Words: MLS, methods, design, case.

MEA-87
Meadows, C.
"The Integrity Lock Architecture and Its Application to Message Systems: Reducing Covert Channels," Proc. 1987 IEEE Symp. on Sec. & Privacy, (5: IEE-87a), pp. 212-218.

Key Words: covert channel, methods, architecture, case.

MIG-87
Migues, S.
"The Need for Rigorous Informal Verification of Specifications-to-Code Correspondence," Proc. COMPASS '87: Comp. Assurance, (2: IEE-87), 1987, pp. 13-25.

Key Words: verification, methods specification.

MIL-81
Miller, J.S.
"Military Message Systems: Applying a Security Model," Proc. 1981 IEEE Symp. on Sec. & Privacy, (5: IEE-81), 101-111.

Key Words: models, methods, case.

MIL-82
Millen, J.K.
"Kernel Isolation for the PDP 11/70," Proc. 1982 IEEE Symp. on Sec. & Privacy, (5: IEE-82), pp. 57-65.

Key Words: kernel, technique, case.

MIZ-87
Mizuno, M., and A.E. Oldenhoeft
"Information Flow Control in a Distributed Object-Oriented System with Statistically Bound Object Variables," Proc. 10th Natl. Comp. Sec. Conf., (5: NCS-87a), 1987, pp. 56-67.

Key Words: control, slow, techniques.

MUR-88

Murray, M., R. Berch, and S. Caperton "Use of Automated Verification Tools in a Secure Software Development Methodology," Proc. 11th Natl. Comp. Sec. Conf., (5: NCS-88), 1988, pp. 284-289.

Key Words: verification, software, methods, design, case.

NCS-85

Proceedings, 8th National Computer Security Conference, National Bureau of Standards/National Computer Security Center, September 1985.

Key Words: proceedings, general.

NCS-86

Computer Security - For Today... and for Tomorrow, Proceedings, 9th National Computer Security Conference, National Bureau of Standards/National Computer Security Center, September 1986.

Key Words: proceedings, general.

NCS-87

Computer Security... From Principles to Practice, Proceedings, 10th National Computer Security Conference, National Bureau of Standards/ National Computer Security Center, September 1987.

Key Words: proceedings, general.

NCS-88

Computer Security ... Into the Future, Proceedings, 11th National Computer Security Conference, National Institute of Standards and Technology/ National Computer Security Center, October, 1988.

Key Words: proceedings, general.

NCS-88a

Computer Security ... Into the Future, A Postscript, 11th National Computer Security Conference, National Institute of Standards and Technology/ National Computer Security Center, October 1988.

Key Words: proceedings, general.

NCS-89

Information Systems Security: Solutions for Today -- Concepts for Tomorrow, Proceedings, 12th National Computer Security Conference, National Institute of Standards and Technology/ National Computer Security Center, October 1989.

Key Words: proceedings, general.

NEE-85

Neely, R.B. and J.W. Freeman, "Structuring Systems for Formal Verification," Proc. 1985 IEEE Symp. on Sec. & Privacy, (5: IEE-85), pp. 2-13.

Key Words: verification, design.

NEE-89

Neely, R.B., J.W. Freeman, and M.D. Krenzin "Achieving Understandable Results in a Formal Design Verification," Proc. Comp. Sec. Foundat. Workshop II, (3: IEE-89a), 1989, pp. 115-124.

Key Words: verification, methods.

NEI-84

Neilson, J.O., and F.E. Wuebker "Design Experiences from the Multilevel Secure MCF," Proc. 1984 IEEE Symp. on Sec. & Privacy, (5: IEE-84), pp. 204-208.

Key Words: MLS, design, case.

NEU-86

Neumann, P.G. "On Hierarchical Design of Computer Systems for Critical Applications," IEEE Trans. on Software Engr., September 1986, pp. 905-920.

Key Words: models, methods, design.

NEU-88

Neugent, W., "Security Guards: Issues and Approaches," IEEE Communications Magazine, August 1988, pp. 25-29.

Key Words: MLS, methods, design.

NEU-89

Neugent, W. "Guidelines for Specifying Security Guards," Proc. 12th Natl. Comp. Sec. Conf., (5: NCS-89), 1989, pp. 320-338.

Key Words: MLS, methods, design.

ONE-86

O'Neil-Dunne, J. "The Access Path," Proc. 9th Natl. Comp. Sec. Conf., (5: NCS-86), 1986, pp. 149-155.

Key Words: TCB, control, design.

PAR-88

Parker, T.A. "Structuring Trust in a Large General Purpose Operating System," Proc. 4th Aerosp. Comp. Sec. Conf., (4: IEE-88b), 1988, pp. 152-158.

Key Words: trusted, OS, design, case.

PAR-89

Partney, T.J. "The Incorporation of Multi-Level IPC into UNIX," Proc. 1989 IEEE Symp. on Sec. & Privacy, (5: IEE-89b), pp. 94-99.

Key Words: MLS, methods, design, case.

PER-84
Perrine, T., J. Codd, and B. Hardy "An Overview of the Kernelized Secure Operating System (KSOS)," Proc. 7th Seminar, DoD Comp. Sec. Progr., (5: DOD-84), 1984, pp. 146-160.

Key Words: OS, kernel, design, case.

PFL-88
Pfleeger, C.P., and S.L. Pfleeger "A Transaction Flow Approach to Software Security Certification for Document Handling Systems," Computers & Security, October 1988, pp. 495-502.

Key Words: certification, case.

PFL-89
Pfleeger, C.P., S.L. Pfleeger, and M.F. Theofanos "A Methodology for Penetration Testing," Computers & Security, November 1989, pp. 613-620.

Key Words: vulnerabilities, methods.

PFL-89a
Pfleeger, C.P. Security in Computing, Prentice Hall, Englewood Cliffs, NJ, 1989

Key Words: book, MLS, cryptography general.

PLA-81
Platek, R.A. "The Evaluation of Three Specification and Verification Methodologies," Proc. 4th Seminar, DoD Comp. Sec. Progr., (5: DOD-81), 1981, pp. X1-X17.

Key Words: verification, methods, specification, case.

POZ-84
Pozzo, M.M. "Life Cycle Assurance for Trusted Computer Systems: A Configuration Mangement Strategy for Multics," Proc. 7th Seminar, DoD Comp. Sec. Progr., (5: DOD-84), 1984, pp. 169-179.

Key Words: trusted, methods, design, case.

PRO-85
Proctor, N. "The Restricted Access Processor, an Example of Formal Verification," Proc. 1985 IEEE Symp. on Sec. & Privacy, (5: IEE-85), pp. 49-53.

Key Words: verification, case.

PRO-89
Proctor, N., and R. Wong "The Security Policy of Secure Distributed Operating System Prototype," Proc. 5th Security Applicat. Conf., (4: IEE-89c), 1989, pp. 95-102.

Key Words: OS, policy, design, case.

RAJ-86
Rajunas, S.A., et al. "Security in KeyKOS," Proc. 1986 IEEE Symp. on Sec. & Privacy, (5: IEE-86), pp. 78-85

Key Words: methods, design, case.

ROS-89
Rosenthal, D. "Implementing a Verification Methodology for McCullough Security," Proc. Comp. Sec. Foundat. Workshop II, 1989 (3: IEE-89a), pp. 133-140.

Key Words: verification, design, case.

ROU-87
Rougeau, P.A. "Integrating Security into a Total Systems Architecture," Proc. 3d Aerosp. Comp. Sec. Conf., (5: IEE-87b), 1987, pp. 118-121.

Key Words: TCB, architecture, design.

RUS-81
Rushby, J.M. "The Design and Verification of Secure Systems," ACM Operating Systems Review, Vol. 15, 5, 1982, pp. 12-21.

Key Words: verification, design.

RUS-82
Rushby, J.M. "Proof of Separability, A Verification Technique for A Class of Security Kernels," in Proceedings, International Symposium on Programming, Springer, Berlin, 1982, pp. 352-367.

Key Words: verification, techniques.

RUS-83
Rushby, J.M., and B. Randell "A Distributed Secure System," Proc. 1983 IEEE Symp. on Sec. & Privacy, (5: IEE-83a), pp. 127-135.

Key Words: architecture, design, case.

RUS-84
Rushby, J.M. "A Trusted Computing Base for Embedded Systems," Proc. 7th Seminar, DoD Comp. Sec. Progr., (5: DOD-84), 1984, pp. 294-311.

Key Words: TCB, design, case.

RUS-89

Russell, T.T., and M.Schaefer "Toward a High B Level Security Architecture for the IBM ES/3090 Processor Resource/System Manger," Proc. 12th Natl. Comp. Sec. Conf., (5: NCS-89), 1989, pp. 184-196.

Key Words: architecture, design, case.

SAY-87

Saydjari, O.S., J.M. Beckman, and J.R. Leaman "Locking Computers Securely," Proc. 10th Natl. Comp. Sec. Conf., (5: NCS-87a), 1987, pp. 129-141.

Key Words: TCB, architecture, case.

SAY-89

Saydjari, O.S., J.M. Beckman, and J.R. Leaman "LOCK Track: Navigating Uncharted Space," Proc. 1989 IEEE Symp. on Sec. & Privacy, (5: IEE-89b), pp. 167-175.

Key Words: TCB, artchitecture, case.

SCH-83

Schell, R.R. "Evaluating Security Properties of Computer Systems," Proc. 1983 IEEE Symp. on Sec. & Privacy, (5: IEE-83a), pp. 89-95.

Key Words: methods, design, general.

SCH-83a

Schell, R.R. "A Security Kernel for A Multi-Processing Micro-Computer," IEEE Computer, July 1983, pp. 47-53.

Key Words: kernel, design, case.

SCH-84

Schaefer, M., and R.R. Schell "Toward an Understanding of Extensible Architectures for Evaluated Trusted Computer System Products," Proc. 1984 IEEE Symp. on Sec. & Privacy, (5: IEE-84), pp. 41-51.

Key Words: architecture, general.

SCH-84a

Schell, R.R., and T.F. Tao "Microprocessor-Based Trusted Systems for Communication and Workstation Application," Proc. 7th Seminar, DoD Comp. Sec. Progr., (5: DOD-84), 1984, pp. 277-290.

Key Words: architecture, design,

SCH-84b

Schell, R.R. "Future of Trusted Computer Systems," Proc. IFIP/Sec. '84, Toronto, 1984, (2: FIN-85), pp. 55-67.

Key Words: trusted, general.

SCH-85

Schell, R.R., T.F. Tao, and M. Heckman "Designing the GEMSOS Security Kernel for Security and Performance," Proc. 8th Natl. Comp. Sec. Conf., (5: NCS-85), 1985, pp. 108-120.

Key Words: kernel, design, case.

SCH-86

Schultz, A.C. "Using Software Tools to Analyze the Security Characteristics of HOL Programs," Proc. 9th Natl. Comp. Sec. Conf., (5: NCS-86), 1986, pp. 108-112.

Key Words: methods, techniques, design.

SCH-87

Schockley, W.R., and R.R. Schell "TCB Subsets for Incremental Evaluation," Proc. 3d Aerosp. Comp. Sec. Conf., (5: IEE-87b), 1987, pp. 131-139.

Key Words: TCB, methods, design.

SCH-88

Schaffer, M.A., and G. Walsh "LOCK/ix: On Implementing Unix on the LOCK TCB," Proc. 11th Natl. Comp. Sec. Conf., (5: NCS-88), 1988, pp. 319-329.

Key Words: OS, architecture, design, case.

SCH-88a

Schockley, W.R., T.F. Tao, and M.F. Thompson "An Overview of the GEMSOS A1 Technology and Applications Experience," Proc. 11th Natl. Comp. Sec. Conf., (5: NCS-88), 1988, pp. 238-245.

Key Words: MLS, OS, kernel, methods, design, case.

SCH-89

Schaefer, M. "Symbol Security Condition Considered Harmful," Proc. 1989 IEEE Symp. on Sec. & Privacy, (5: IEE-89b), pp. 20-46.

Key Words: model, requirement, case.

SCH-89a

Schallenmuller, E., et al. "Development of a Multilevel Data Generation Application for GEMSOS," Proc. 5th Security Applicat. Conf., (4: IEE-89c), 1989, pp. 86-90.

Key Words: MLS, design, case.

SHI-81
Shirley, L.J., and R.R. Schell "Mechanism Sufficiency Validation by Assignment," Proc. 1981 IEEE Symp. on Sec. & Privacy, (5: IEE-81), pp. 26-32.

Key Words: requirements, methods.

SID-84
Sidhu, D.P. "Executable Logic Specifications: A New Approach to Computer Security," Proc. 1984 IEEE Symp. on Sec. & Privacy, (5: IEE-84), pp. 142-153.

Key Words: specification, methods.

SIE-87
Siebert, W.O., et al. "Unix and B2: Are They Compatible?," Proc. 10th Natl. Comp. Sec. Conf., (5: NCS-87a), 1987, pp. 142-149.

Key Words: MLS, criteria, case.

SIL-83
Silverman, J. "Reflections on the Verification of the Security of an Operating System Kernel," Proc., 9th ACM Symp. on Operating Syst. Principles, 1983, pp. 143-154.

Key Words: OS, verification, case.

SMI-86
Smith, T.A. "User-Definable Domains as a Mechanism for Implementing the Least Privilege Principle," Proc. 9th Natl. Comp. Sec. Conf., (5: NCS-86), 1986, pp. 143-155.

Key Words: design, techniques.

SOL-81
Solomon, D.J. "Processing Multilevel Secure Objects," Proc. 1981 IEEE Symp. on Sec. & Privacy, (5: IEE-81), pp. 56-61.

Key Words: MLS, methods, design.

STA-86
Stauffer, B.C., and R.U. Fujii "Informal Verification Analysis," Proc. 9th Natl. Comp. Sec. Conf., (5: NCS-86), 1986, pp. 126-129.

Key Words: verification, methods.

SWA-85
Swaminathan, K. "Negotiated Access Control," Proc. 1986 IEEE Symp. on Sec. & Privacy, (5: IEE-86), pp. 190-196.

Key Words: control, methods.

TAY-89
Taylor, T. "FTLS-Based Security Testing for LOCK," Proc. 12th Natl. Comp. Sec. Conf., (5: NCS-89), 1989, pp. 136-145.

Key Words: verification, case.

TUR-81
Turn, R. (Ed.) Advances in Computer System Security, Artech House, Dedham, MA, 1981.

Key Words: book, general.

TUR-84
Turn, R. (Ed.) Advances in Computer System Security, Vol. 2, Artech House, Dedham, MA, 1984.

Key Words: book, general.

TUR-88
Turn, R. (Ed.) Advances in Computer System Security, Vol. 3, Artech House, Norwood, MA, 1988.

Key Words: book, general.

VAR-89
Varadharajan, V., and S. Black "Formal Specifiaction of a Secure Distributed Messaging System," Proc. 12th Natl. Comp. Sec. Conf., (5: NCS-89), 1989, pp. 146-171.

Key Words: specification, case.

VON-88
von Henke, F.W., et all. "EHDM Verification Environment: An Overview," Proc. 11th Natl. Comp. Sec. Conf., (5: NCS-88), 1988, pp. 147-155.

Key Words: verification, case.

WAL-80
Walker, S.T. "The Advent of Trusted Systems," Proceedings, 1980 Natl. Comp. Conference, AFIPS Press, Reston, VA, 1980, pp. 655-666.

Key Words: trusted, plicy, methods.

WAL-80a
Walker, B.J., R.A. Kemmerer, and G.J. Popek "Specification and Verification of the UCLA Unix Security Kernel," Communications of the ACM, February 1980, pp. 118-131.

Key Words: specification, methods, verification, case.

WEI-82
Weissman, C. "Bizarre Bazaar: An Approach to Security Technology Transfer," Proc. 5th Seminar, DoD Comp. Sec. Progr., (5: DOD-82), 1982, pp. 233-240.

Key Words: MLS, methods, techniques.

WHI-87
White, S.R.
"ABYSS: A Trusted Architecture for Software Protection," Proc. 1987 IEEE Symp. on Sec. & Privacy, (5: IEE-87a), pp. 38-51.

Key Words: TCB, architecture, case.

WIL-89
Williams, J.C., and G.W. Dinolt
"Formal Model of a Trusted File Server," Proc. 1989 IEEE Symp. on Sec. & Privacy, (5: IEE-89b), pp. 157-166.

Key Words: model, truatsed, case.

WIN-86
Wing, J.M., and M.R. Nixon
"Extending Ina-Jo with Temporal Logic," Proc. 1986 IEEE Symp. on Sec. & Privacy, (5: IEE-86), pp. 2-13.

Key Words: specification, methods, techniques, case.

WIN-89
Wing, J.M., and M.R. Nixon
"Extending InaJo with Temporal Logic," IEEE Trans. on Software Engr., February 1989, pp. 181-197.

Key Words: specification, methods, techniques, case.

WIS-86
Wiseman, S.
"A Secure Capability Computer System," Proc. 1986 IEEE Symp. on Sec. & Privacy, (5: IEE-86), pp. 86-94

Key Words: architecture, capability.

WIS-88
Wiseman, S., et al.
"The Trusted Path Between SMITE and the User," Proc. 1988 IEEE Symp. on Sec. & Privacy, (5: IEE-88a), pp. 147-155.

Key Words: TCB, technique, case.

WIT-80
Withington, P.T.
"The Trusted Function in Secure Decentralized Processing," Proc. 1980 IEEE Symp. on Sec. & Privacy, (5: IEE-80), pp. 67-79.

Key Words: trusted, methods, design.

WON-89
Wong, R., et al.
"The SDOS System: A Secure Distributed Operating System Prototype," Proc. 12th Natl. Comp. Sec. Conf., (5: NCS-89), 1989, pp. 172-183.

Key Words: OS, trusted, case.

WOO-83
Woodie, P.E.
"Security Enhancement Through Product Evaluation," Proc. 1983 IEEE Symp. on Sec. & Privacy, (5: IEE-83a), pp. 96-101.

Key Words: methods, techniques.

WOO-86
Woodie, P.
"Distributed Processing System Security: Communications, Computer or Both," Proc. IEEE Internat. Conf. on Data Engr., 1986, pp. 630-636.

Key Words: requirements, design.

WOO-87
Woodward, J.P.L
"Exploiting the Dual Nature of Sensitivity Labels," Proc. 1987 IEEE Symp. on Sec. & Privacy, (5: IEE-87a), pp. 23-30

Key Words: MLS, methods, techniques.

YOU-85
Young, W.D., W.E. Boebert, and R.Y. Kain
"Proving a Computer System Secure," Scientific Honeyweller, July 1985, pp. 18-27.

Key Words: verification, general.

YOU-86
Young, W.D., P.A. Telga, and W.E. Boebert
"A Verified Labeler for the Secure Ada Target," Proc. 9th Natl. Comp. Sec. Conf., (5: NCS-86), 1986, pp. 55-61.

Key Words: MLS, techniques, case.

YOU-87
Young, W.D.
"Coding For A Believable Specification to Implementation Mapping," Proc. 1987 IEEE Symp. on Sec. & Privacy, (5: IEE-87a), pp. 140-148.

Key Words: specification, methods.

YOU-89
Young, W.D.
"Comparing Specification Paradigms," Proc. 12th Natl. Comp. Sec. Conf., (5: NCS-89), 1989, pp. 83-97.

Key Words: specification, general.

YUC-88

Yu, C.-F, and V.D. Gligor "A Formal Specification and Verification Method for the Prevention of Denial of Service," Proc. 1988 IEEE Symp. on Sec. & Privacy, (5: IEE-88a), pp. 187-202.

Key Words: specification, methods, verification, denial.

6. Database Security

The section cites publications on models of database security, specific implementations, statistical database inference problem, and general aspects of database security.

ADA-89
Adam, B.R., and
J.C. Wortmann
"Security Control Methods for Statistical Databases: A Comparative Survey," ACM Computing Surveys, December 1989, pp. 515-556.

Key Words: database, control.

AHI-88
Ahituv, N., Y. Lapid, and S. Neumann
"Protecting Statistical Databases Against Retrieval of Private Information," Computers & Security, February 1988, pp. 59-63.

Key Words: statistical, inference.

AKL-87
Akl, S.G., and D.E. Denning
"Checking Classification Constraints for Consistency and Completeness," Proc. 1987 IEEE Symp. Sec. & Privacy, (5: IEE-87a), pp. 196-201.

Key Words: database, methods.

BAX-86
Baxter, V.,
"Improving the Security Posture in Existing Installations," Proc. NCSC Workshop on Database Security, (6:COA-86), 1986, pp. H1-H11.

Key Words: database, methods.

BEC-80
Beck, L.L.
"A Security Mechanism for Statistical Databases," ACM Trans. on Database Systems, September 1980, pp. 316-338.

Key Words: statistical, inference.

BER-87
Berson, T.A., and T.F. Lunt
"Multilevel Security for Knowledge-Based Systems," Proc. 1987 IEEE Symp. on Sec. & Privacy, (5: IEE-87a), pp. 235-242.

Key Words: database, policy, methods.

BIS-87
Biskup, J.
"Privacy Respecting Permissions and Rights," Proc. IFIP WG 11.3 Meeting, (6: LAN-88), 1987, pp. 173-185.

Key Words: database, policy, methods.

BIS-88
Biskup, J., and H. Graf
"Analysis of the Privacy Model for the Information System DORIS," Proc. IFIP WG 11.3 Workshop, (6: LAN-89b), 1988, pp. 123-140.

Key Words: models, methods, case.

BLA-85
Blakley, G.R., and
C. Meadows
"A Database Encryption Scheme which Allows the Computation of Statistics Using Encrypted Data," Proc. 1985 IEEE Symp. on Sec. & Privacy, (5: IEE-85), pp. 116-122.

Key Words: statistical, encryption

BOE-86
Boebert, W.E., B.B. Dillaway, and J.T. Haigh
"Mandatory Security and Database Management Systems," Proc. NCSC Workshop on Database Security, (6: COA-86), 1986, pp. A1-A21.

Key Words: DBMS, policy, requirements.

BON-80
Bonyun, D.A.
"The Secure Relational Database Management System Kernel -- Three Years Alter," Proc. 1980 IEEE Symp. on Sec. & Privacy, (5: IEE-80), pp. 34-37.

Key Words: DBMS, relational, kernel.

BON-84
Bonyun, D.A.
"Rules as the Basis of Accesss Control in Database Mangement Systems," Proc. 7th Seminar, DoD Comp. Sec. Progr., (5: DOD-84), 1984, pp. 38-47.

Key Words: DBMS, control, methods.

BON-86
Bonyun, D.
"A New Look at Integrity Policy for Database Management Systems," Proc. NCSC Workshop on Database Security, (6: COA-86), 1986, pp. B1-B18.

Key Words: DBMS, polcy, integrity.

BON-87
Bonyun, D.A.
"Logging and Accountability in Database Mangement Systems," Proc. IFIP WG 11.3 Meeting, (6: LAN-88), 1987, pp. 223-227.

Key Words: DBMS, auditing, methods.

BON-89
Bonyun, D.A.
"Using MAPLESS as a Framework for Secure Database Mangement," Proc. IFIP WG 11.3 (Data Base) Workshop, (6: IFI-89), 1989.

Key Words: DBMS, methods, case.

BOU-84
Boukaert, A.
"Security of Transportable Computerized Files," Proc. Eurocrypt '84, Paris, 1984, (9: BET-85), pp. 416-425.

Key Words: database, techniques.

BUC-89
Buczkowski, L.J.
"Database Inference Controller," Proc. IFIP WG 11.3 (Data Base) Workshop, (6: IFI-89), 1989.

Key Words: control, inference.

BUR-86
Burns, R.K.
"Towards Practical MLS Database Management Systems Using the Integrity Lock Technology," Proc. 9th Natl. Comp. Sec. Conf., (5: NCS-86), 1986, pp. 25-29.

Key Words: MLS, DBMS, techniques.

BUR-87
Burns, R.K.
"Operational Assurances for a Trusted DBMS," Proc. IFIP WG 11.3 Meeting, (6: LAN-88), 1987, pp. 241-251.

Key Words: DBMS, trusted, nethods.

BUR-89
Burns, R.K.
"The Homework Problem," in Lunt, T.F., Research Directions in Database Security, (6: LUN-90), May 1989, pp. 84-86.

Key Words: MLS, database, design.

BUS-83
Bussollati, U., and G. Martella
"Toward A New Approach to Secure Data Base Design," Computers & Security, January 1983, pp. 49-62.

Key Words: database, methods.

CAR-85
Carroll, J.M., and H. Jurgensen
"Design of a Secure Relational Data Base," Proc. IFIP/Sec. '85, Dublin, 1985, (2: GRI-85), pp. 1-16.

Key Words: database, design, methods, relational.

CAR-87
Carson, et al.
"Toward a Multilevel Document System," No. 87-3064, Proc. 3d Aerospace Comp. Sec. Conf., (5: IEE-87b), 1987, pp. 1-6.

Key Words: MLS, database.

CHI-80
Chin, F.Y., and G. Ozsoyoglu
"Security of Statistical Data Bases," in Rullo, T.A. (Ed.), Advances in Computer Security Management, Vol. 1, Heyden & Son, Philadelphia, PA, 1980, pp. 57-76.

Key Words: statistical, methods.

CHI-81
Chin, F.Y., and G. Ozsoyoglu
"Statistical Data Base Design," ACM Trans. on Database Systems, March 1981, pp. 113-139.

Key Words: statistical, design.

CHI-82
Chin, F.Y., and G. Ozsoyoglu
"Auditing and Inference Control in Statistical Databases," IEEE Trans. on Software Engr., November 1982, pp. 574-582

Key Words: statistical, auditing.

CHI-86
Chin, F.Y.
"Security Problems on Inference Control for SUM, MAX and MIN Queries," Journal of the ACM, July 1986, pp. 451-464.

Key Words: statistical, inference.

CLA-83
Claybrook, B.G.
"An Approach to Developing Multilevel Secure Data Base Management Systems," Proc. 1983 IEEE Symp. on Sec. & Privacy, (5: IEE-83a), pp. 4-17.

Key Words: DBMS, design, methods.

COA-86
Coates, C. and
M. Hale (Eds.)
Proceedings of the NCSC Invitational Workshop on Database Security, National Computer Security Center, Ft. Meade, MD, June 1986.

Key Words: proceedings, database.

COX-80
Cox, L.H.
"Suppression Methodology and Statistical Disclosure Control," Journal of American Statistical Association, June 1980, pp. 377-385.

Key Words: statistical, methods.

COX-86
Cox, L.H.
"Inference Control for Frequency Count Tables," IEEE Cipher, June 1986, pp. 4-14.

Key Words: statistical, inference.

COX-87
Cox, L.H.
"Modelling and Controlling User Inference," Proc. IFIP WG 11.3 Meeting, (6: LAN-88), 1987, pp. 167-171.

Key Words: database, inference.

COX-88
Cox, L.H.
"Inference Controls for Frequency Count Tables: An Update," Proc. 4th Aerospace Comp. Sec. Conf., (4: IEE-88b), 1988, pp. 112-117.

Key Words: statistical, inference.

CRO-89
Crocker, S., and
E. Siarkiewicz
"Software Methodology for Development of a Trusted DBMS: Identification of Critical Problems," Proc. 5th Security Applicat. Conf., (4: IEE-89c), 1989, pp. 148-165.

Key Words: DBMS, methods, software.

DAV-81
Davida, G.I., D.L. Wells,
and J.B. Kam
"A Database System with Subkeys," ACM Trans. on Database Systems, June 1981, pp. 312-328.

Key Words: database, encryption.

DAV-88
Davidson, J.W.
"Implementation Design for a Kernelized Trusted DBMS," Proc. 4th Aerosp. Comp. Sec. Conf., (4: IEE-88b), 1988, pp. 91-98.

Key Words: DBMS, kernel, design.

DEJ-83
DeJonge, W.
"Compromising Statistical Data Bases Responding to Queries About Means," ACM Trans. on Database Systems, March 1983, pp. 60-80.

Key Words: statistical, inference.

DEN-80
Denning, D.E., and J. Schlorer
"A Fast Procedure for Finding a Tracker in a Statistical Database," ACM Trans. on Database Systems, March 1980, pp. 88-102.

Key Words: statistical, inference.

DEN-80a
Denning, D.E.
"Secure Statistical Databases Under Random Sample Queries," ACM Trans. on Database Systems, September 1980, pp. 291-315.

Key Words: statistical, techniques.

DEN-81
Denning, D.E.
"Restricting Queries that Might Lead to Compromise," Proc. 1981 IEEE Symp. on Sec. & Privacy, (5: IEE-81), pp. 33-40.

Key Words: statistical, inference, techniques.

DEN-82
Denning, D.E., J. Schlorer,
and E. Wehrle
"Memoryless Inference Controls for Statistical Databases," Proc. 1982 IEEE Symp. on Sec. & Privacy, (5: IEE-82), pp. 38-43.

Key Words: statistical, inference.

DEN-83
Denning, D.E.
"The Many-Time Pad: Theme and Variations," Proc. 1983 IEEE Symp. on Sec. & Privacy, (5: IEE-83a), pp. 23-30.

Key Words: database, encryption.

DEN-83a
Denning, D.E., and J. Schlorer "Inference Controls for Statistical Data Bases," IEEE Computer, July 1983, pp. 69-82.

Key Words: statistical, inference.

DEN-83b
Denning, D.E. "Field Encryption and Authentication," Proc. Crypto-83, Santa Barbara, 1983, (9: CHA-84b), pp. 231-247.

Key Words: statistical, encryption.

DEN-84
Denning, D.E. "Cryptographic Checksums for Multilevel Database Security," Proc. 1984 IEEE Symp. on Sec. & Privacy, (5: IEE-84), pp. 52-61.

Key Words: MLS, database, encryption.

DEN-85
Denning, D.E. "Commutative Filters for Reducing Inference Threats in Multilevel Database Systems," Proc. 1985 IEEE Symp. on Sec. & Privacy, (5: IEE-85), pp. 134-146.

Key Words: MLS, database, inference.

DEN-86
Denning, D.E., et al. "Views for Multilevel Database Security," Proc. 1986 IEEE Symp. on Sec. & Privacy, (5: IEE-86), pp. 156-172.

Key Words: MLS, database, views.

DEN-86a
Denning, D.E. "A Preliminary Note on the Inference Problem in Multilevel Database Systems," Proc. NCSC Workshop on Database Security, (6: COA-86), 1986, pp. I1-I14.

Key Words: MLS, database, inference.

DEN-87
Denning, D.E., et al. "Views for Multilevel Database Security," IEEE Trans. on Software Engr., February 1987, pp. 129-140.

Key Words: MLS, database, views.

DEN-87a
Denning, D.E., et al. "A Multilevel Relational Data Model," Proc. 1987 IEEE Symp. on Sec. & Privacy, (5: IEE-87a), pp. 220-234.

Key Words: MLS, database, models.

DEN-87b
Denning, D.E. "Database System Lessons Learned from Modeling a Secure Multilevel Relational Database System," Proc. IFIP WG 11.3 Meeting, (6: LAN-88), 1987, pp. 35-43.

Key Words: MLS, database, models, relational, case.

DEN-88
Denning, D.E., et al. "The SeaView Security Model," Proc. 1988 IEEE Symp. on Sec. & Privacy, (5: IEE-88a), pp. 218-233.

Key Words: stabase, model, views.

DEN-88a
Denning, D.E. "Database Security," in Traub, J.F., et al., (Eds.), Annual Review of Computer Science, Volume 3, Annual Reviews, Inc., Palo Alto, CA, 1988, pp. 1-22.

Key Words: database, general.

DEN-88b
Denning, D.E. "An Evolution of Views," Proc. RADC Data Base Security Invitational Workshop, Menlo Park, CA, May 1988 (6: LUN-90), pp. 74-77.

Key Words: MLS, database, views.

DEN-89
Denning, D.E. "Toward a General Multi-Level Data Model," IEEE Cipher, April 1989, pp. 34-40.

Key Words: MLS, database, models.

DIL-86
Dillaway, B.B., and J.T. Haigh "A Practical Design for Multi-Level Security in Secure Database Management Systems," Proc. 2nd Aerosp. Comp. Sec. Conf., (5: IEE-86a), 1986.

Key Words: MLS, database, design, case.

DIT-88
Dittrich, K.R., et al. "Analysis of the Privacy Model for the Information System DORIS," Proc. IFIP WG 11.3 Workshop, (6: LAN-89b), 1988, pp. 105-121.

Key Words: database, model, case.

DOB-87
Dobson, J.
"Sec. & Databases: A Personal View," Proc. IFIP WG 11.3 Meeting, (6: LAN-88), 1987, pp. 11-22.

Key Words: database, general.

DOB-88
Dobson, J.E., and J.A. McDermid
"Security Models and Enterprise Models," Proc. IFIP WG 11.3 Workshop, (6: LAN-89b), 1988, pp. 1-39.

Key Words: databse, models, general.

DOW-86
Downs, D.D.
"Applicability of the TCSEC to DBMS," Proc. NCSC Workshop on Database Sec., (6: COA-86), 1986, pp. J1-J11.

Key Words: MLS, DBMS, criteria.

DOW-86a
Downs, D.D.
"Discretionary Security in Database Management Systems," Proc. NCSC Workshop on Database Sec., (6: COA-86), 1986, pp. K1-K10.

Key Words: DBMS, policy, discretionary.

DOW-89
Downing, A.R., I.B. Greenburg, and T.F. Lunt
"Issues in Distributed Database Security," Proc. 5th Security Applicat. Conf., (4: IEE-89c), 1989, pp. 196-203.

Key Words: database, network, general.

DUC-85
du Croix, A.J.
"Data Sharing and Access Protection in Business System 12," Computers & Security, December 1985, pp. 317-323.

Key Words: database, control, case.

DUN-86
Duncan, G., and D. Lambert
"Disclosure-Limited Data Dissemination," Journal of the American Statistics Association, Vol. 81, No. 393, pp. 10-18.

Key Words: statistical, methods.

DWY-87
Dwyer, P.A., G.D. Jelatis, and B.M. Thuraisingham
"Multi-Level Security in Database Management Systems," Computers & Security, June 1987, pp. 252-260.

Key Words: MLS, DBMS, methods.

DWY-88
Dwyer, P., et al.
"Query Processing in LDV: A Secure Database System," Proc. 4th Aerosp. Comp. Sec. Conf., (4: IEE-88b), 1988, pp. 118-124.

Key Words: database, techniques.

ERI-83
Eriksson, R., and K. Beckman
"Protecting of Data Bases Using File Encryption," Proc. IFIP/Sec. '83, Stockholm, 1983, (2: FAK-83), pp. 217-221.

Key Words: database, encryption.

FEE-86
Feeney, T.
"Security Issues and Features of Database Management Systems," Information Age, (U.K.), April 1986, pp. 85-94.

Key Words: DBMS, policy, methods.

FER-81
Fernandez, E.B., R.C. Summers, and C. Wood
Database Sec. & Integrity, Addison-Wesley, Reading, MA, 1981.

Key Words: book, database, general.

FER-89
Fernandez, E.B., E.Gudes, and H.Song
"A Security Model of Object-Oriented Databases," Proc. 1989 IEEE Symp. on Sec. & Privacy, (5: IEE-89b), pp. 110-115.

Key Words: database, models.

FRA-85
Fraga, J., and D. Powell
"A Fault and Intrusion-Tolerant File System," Proc. IFIP/Sec., Dublin, 1985, (2: GRI-85), pp. 203-218.

Key Words: database, methods, case.

FRI-80
Friedman, A.D., and L.J. Hoffman
"Towards a Fail-Safe Approach to Secure Databases," Proc. 1980 IEEE Symp. on Sec. & Privacy, (5: IEE-80), pp. 18-21.

Key Words: statistical, methods.

FRO-88
Froscher, J.N., and C. Meadows
"Achieving a Trusted Database Mangement System Using Prallelism," Proc. IFIP WG 11.3 Workshop, (6: LAN-89b), 1988, pp. 151-160.

Key Words: DBMS, trusted, methods.

FUG-85
Fugini, M.
"Design of a Relational Schema for Database Dynamic Authorization Management," Proc. IFIP/Sec. '85, Dublin, 1985, (2: GRI-85), pp. 17-25.

Key Words: database, control, methods.

FUG-88
Fugini, M.G.
"Secure Database Development Methodologies," Proc. IFIP WG 11.3 Meeting, (6: LAN-88), 1987, pp. 103-129.

Key Words: database, methods.

GAJ-88
Gajnak, G.E.
"Some Results from Entity-Relationship Multilevel Secure DBMS Project," Proc. 4th Aerosp. Comp. Sec. Conf., (4: IEE-88b), 1988, pp. 66-71.

Key Words: MLS, DBMS, case.

GAJ-88a
Gajnak, G.E.
"Some Results from Entity/Relationship Multilevel Secure DBMS Project," Proc. RADC Data Base Security Invitational Workshop, Menlo Park, CA, May 1988, (6: LUN-90), pp. 144-156.

Key Words: MLS, DBMS, case.

GAL-85
Gal, G., and W.E. McCarthy
"Specification of Internal Accounting Controls in a Database Environment," Computers & Security, March 1985, pp. 23-32.

Key Words: database, auditing.

GAR-86
Garvey, C.
"Architecture Issues in Secure Database Mangement Systems," Proc. NCSC Workshop on Database Sec., (6: COA-86), 1986, pp. D1-D19.

Key Words: DBMS, design, methods.

GAR-88
Garvey, C., and A. Wu
"ASD-Views," Proc. 1988 IEEE Symp. on Sec. & Privacy, (5: IEE-88a), pp. 85-95.

Key Words: MLS, DBMS, views.

GAR-88a
Garvey, C., N. Jensen, and J. Wilson
"The Advanced Secure DBMS: Making Secure DBMSs Usable," Proc. IFIP WG 11.3 Workshop, (6: LAN-89b), 1988, pp. 187-195.

Key Words: MLS, DBMS, case.

GAR-88b
Garvey, C.E., and P.N. Papaccio
"Multilevel Data Store Design," Proc. 2nd Aerosp. Comp. Sec. Conf., (5: IEE-86a), 1986, pp. 58-64.

Key Words: MLS, database, design.

GAR-89
Garvey, C., et al.
"A Layered TCB Implementation Versus the Hinke-Schaefer Approach," Proc. IFIP WG 11.3 (Data Base) Workshop, (6: IFI-89), 1989.

Key Words: DBMS, design, case.

GIL-80
Gilhooley, I.A.
"Data Security, in Rullo, T.A. (Ed.), Advances in Computer Security Management, Vol. 1, Heyden & Son, Philadelphia, PA, 1980, pp. 33-56.

Key Words: database, methods, general.

GLA-88
Glasgow, J., G. MacEwen, and P. Panangaden
"Security by Permission in Databases," Proc. IFIP WG 11.3 Workshop, (6: LAN-89b), 1988, pp. 197-205.

Key Words: database, control, methods.

GRA-82
Graubart, R., and J.P.L. Woodward
"A Preliminary Naval Surveillance DBMS Security Model," Proc. 1982 IEEE Symp. on Sec. & Privacy, (5: IEE-82), pp. 21-37.

Key Words: DBMS, models, case.

GRA-84
Graubart, R.
"The Integrity Lock Approach to Secure Database Management," Proc. 1984 IEEE Symp. on Security Privacy, (5: IEE-84), pp. 62-74.

Key Words: DBMS, design, methods.

GRA-84a
Graubart, R.D., and S. Kramer
"The Integrity Lock Support Environment," Proc. IFIP/Sec. '84, Toronto, 1984, (2: FIN-85), pp. 249-268.

Key Words: database, design, methods.

GRA-89
Graubart, R.
"Comparing DBMS and Operating System Security Requirements -- The Need for Separate DBMS Security Criteria," Proc. IFIP WG 11.3 (Data Base) Workshop, (6: IFI-89), 1989.

Key Words: DBMS, requirements, criteria.

GRA-89a
Graubart, R.
"A Comparison of Three Secure DBMS Architectures," Proc. IFIP WG 11.3 (Data Base) Workshop, (6: IFI-89), 1989.

Key Words: DBMS, design, case.

GUD-80
Gudes, E.
"The Design of a Cryptography Based Secure File System," IEEE Trans. on Software Engr., September 1980, pp. 411-420.

Key Words: database, cryptography.

GUY-89
Guynes, C.S.
"Protecting Statistical Databases: A Matter of Privacy," Computers & Society, March 1989, pp. 15-20.

Key Words: statistical, requirements.

HAI-87
Haigh, J.T.
"Modeling Database Security Requirements," Proc. IFIP WG 11.3 Meeting, (6: LAN-88), 1987, pp. 45-56.

Key Words: database, requirements.

HAI-89
Haigh, J.T., et al.
"The LDV Approach to Database Security," Proc. IFIP WG 11.3 (Data Base) Workshop, (6: IFI-89), 1989.

Key Words: MLS, database, methods.

HAL-87
Hale, M.W.
"Status of Trusted Database System Interpretations," Proc. IFIP WG 11.3 Meeting, (6: LAN-88), 1987, pp. 263-268.

Key Words: database, criteria.

HAR-81
Hartson, H.R.
"Data Base Security System Architectures," Information Systems, Vol. 6, No. 1, 1981, pp. 1-22.

Key Words: database, design.

HEN-86
Henning, R.R., and S.A. Walker
"Computer Architectures and Database Security," Proc. 9th Natl. Comp. Sec. Conf., (5: NCS-86), 1986, pp. 216-230.

Key Words: database, design.

HEN-87
Henning, R.R.
"The Allocation of Database Management System Security Responsibilities," Proc. IFIP WG 11.3 Meeting, (6: LAN-88), 1987, pp. 131-148.

Key Words: database, management.

HEN-88
Henning, R.R., R.P. Simonian
"Security Analysis of Database Schema Information," Proc. IFIP WG 11.3 Workshop, (6: LAN-89b), 1988, pp. 233-245.

Key Words: database, methods.

HEN-88a
Henning, R.R.
"Industry and Government DBMS Security & Privacy Needs--A Comparison," Proc. 4th Aerosp. Comp. Sec. Conf., (4: IEE-88b), 1988, pp. 99-105.

Key Words: DBMS, requirements.

HEN-89
Henning, R.R.
"DAC Mechanisms in Trusted Database Management Systems," Proc. 2nd RADC Data Base Security Workshop, (6:RAD-90), May 1989.

Key Words: DBMS, discretionary.

HIN-86
Hinke, T.H.
"Secure Database Management System Architectural Analysis," Proc. NCSC Workshop on Database Sec., (6: COA-86), 1986, pp. E1-E15.

Key Words: DBMS, design, methods.

HIN-87
Hinke, T.H.
"DBMS Technology vs. Threats," Proc. IFIP WG 11.3 Meeting, (6: LAN-88), 1987, pp. 57-87.

Key Words: DBMS, threats, general.

HIN-88
Hinke, T.H.
"Inference Aggregation Detection in Database Management Systems," Proc. 1988 IEEE Symp. on Sec. & Privacy, (5: IEE-88a), pp. 96-106.

Key Words: database, inference.

HIN-88a
Hinke, T.H.
"Database Inference Engine Design Approach," Proc. IFIP WG 11.3 Workshop, (6: LAN-89b), Oct. 1988, pp. 247-262.

Key Words: database, inference, design.

HIN-88b
Hinke, T.H., et al.
"A Secure DBMS Design," Postscript, 11th Natl. Comp. Sec. Conf., (5: NCS-88a), 1988, pp. 1-13.

Key Words: database, design, methods.

HIN-89
Hinke, T.H.
"DBMS Trusted Computing Data Taxonony," Proc. IFIP WG 11.3 (Data Base) Workshop, (6: IFI-89), 1989.

Key Words: DBMS, methods, design.

HIN-89a
Hinke, T.H.
"Database Design with Row Level MAC and Table Level DAC," Proc. 2nd RADC Data Base Security Workshop, (6: RAD-90), May 1989.

Key Words: MLS, database, design.

HON-82
Hong, Y.-C., and S.Y.W. Su
"A Mechanism for Database Protection in Cellular-Logic Devices," IEEE Trans. on Software Engr., November 1982, pp. 583-596.

Key Words: database, techniques.

HOP-88
Hoppenstand, G.S., and D.K. Hsiao
"Secure Access Control with High Access Precision: An Efficient Approach to Multilevel Security," Proc. IFIP WG 11.3 Workshop, (6: LAN-89b), 1988, pp. 167-176.

Key Words: MLS, database, control.

HOS-88
Hosmer, H.H., and B.K. Burns
"Designing Multilevel Secure Distributed Databases," Proc. IFIP WG 11.3 Workshop, (6: LAN-89b), 1988, pp. 161-165.

Key Words: MLS, database, design.

HOS-89
Hosmer, H.H.
"Handling Integrity Lock Violations," Proc. IFIP WG 11.3 (Data Base) Workshop, (6: IFI-89), 1989.

Key Words: database, techniques.

HSI-87
Hsiao, D.K.
"Database Security Course Module," Proc. IFIP WG 11.3 Meeting, (6: LAN-88), 1987, pp. 269-301.

Key Words: database, awareness, general.

HUB-86
Hubbard, B.S., S.A. Walker, and R.R. Henning
"Database Systems and The Criteria: Do They Relate?," Proc. 9th Natl. Comp. Sec. Conf., (5: NCS-86), 1986, pp. 21-24.

Key Words: database, criteria.

IEO-88
Ieong, I.T., and T.C. Ting
"An Analysis of Database Security with Queries to Higher Order Statistical Information," Proc. IFIP WG 11.3 Workshop, (6: LAN-89b), 1988, pp. 207-223.

Key Words: statistical, methods.

IFI-89
Proceedings, Workshop on Database Security, IFIP WG 11.3 (Data Base), Monterey, CA, September 5-7, 1989.

Key Words: proceedings, database, MLS, methods, general.

JAJ-89
Jajodia, S., et al.
"Audit Trail Organization in Relational Databases," Proc. IFIP WG 11.3 (Data Base) Workshop, (6: IFI-89), 1989.

Key Words: database, auditing.

JAJ-89a
Jajodia, S., et al.
"Auditing in Secure Database Management Systems," Proc. 2nd RADC Data Base Security Workshop, (6: RAD-90), May 1989.

Key Words: DBMS, auditing, methods.

JEN-88
Jensen, N.R.
"System Security Officer Functions in the A1 Secure DBMS," Proc. IFIP WG 11.3 Workshop, (6: LAN-89b), Oct. 1988, pp. 53-62.

Key Words: MSL, DBMS, management.

JEN-88a
Jensen, N.R.
"Implications of Multilevel Security on the Data Dictionary of a Secure Relational DBMS," Proc. 4th Aerosp. Comp. Sec. Conf., (4: IEE-88b), 1988, pp. 58-59.

Key Words: MLS, DBMS, design.

KEE-89
Keefe, T.F., M.B. Thuraisingham, and W.T. Tsai
"Secure Query Processing Strategies," IEEE Computer, March 1989, pp. 63-70.

Key Words: database, methods, general.

KEE-89a
Keefe, T., et al.
"Multi-Party Update Conflict: The Problem and Its Solution," Proc. 5th Aerosp. Comp. Sec. Conf., (4: IEE-89c), 1989, pp. 222-231.

Key Words: database, techniques.

KEE-89b
Keefe, T.F., et al.
"SODA: A Secure Object-Oriented Database System," Computers & Security, October 1989, pp. 517-533.

Key Words: database, case.

KEE-89c
Keefe, T.F., and W.T. Tsai
"Prototyping the SODA Security Models," Proc. IFIP WG 11.3 (Data Base) Workshop, (6: IFI-89), 1989.

Key Words: database, methods, case.

KEM-87
Kemmerer, R.A.
"Formal Specification and Verification Techniques for a Trusted DBMS," Proc. IFIP WG 11.3 Meeting, (6: LAN-88), 1987, pp. 229-240.

Key Words: DBMS, verification.

KNO-87
Knode, R.B.
"Trudata: The Road to a Trusted DBMS," Proc. 10th Natl. Comp. Sec. Conf., (5: NCS-87a), 1987, pp. 201-210.

Key Words: DBMS, methods, case.

KNO-88
Knode, R.B. and R.A. Hunt
"Making Databases Secure with Trudata Technology," Proc. 4th Aerosp. Comp. Sec. Conf., (4: IEE-88b), 1988, pp. 82-90.

Key Words: database, design, case.

KUO-83
Kuong, J.J.
Controls for Advanced/On-Line, Database Systems, Management Advisory Publications, Wellesley Hills, MA, 1983.

Key Words: book, databse, controls.

LAN-87
Landwehr, C.E. (Chm.)
"Database Security: Where Are We," Proc. IFIP WG 11.3 Meeting, (6: LAN-88), October 1987, pp. 1-9.

Key Words: database, general.

LAN-87a
Landwehr, C.E. (Ed.)
Database Security: Status and Prospects, Proceedings, IFIP WG 11.3 (Data Base) Initial Meeting, Annapolis, MD, October 1987, North-Holland, Amsterdam, 1988.

Key Words: proceedings, database, general, methods..

LAN-89
Landwehr, C.E., (Ed.)
Database Security, II: Status and Prospects, Proceedings, IFIP WG 11.3 (Data Base) Workshop, Kingston, Ontario, October 1988, North-Holland, Amsterdam, 1989.

Key Words: proceedings, database.

LAV-84
Lavrence, D.I.
"Some Security Aspects of Decision Support Systems," Proc. IFIP/Sec. '84, Toronto, 1984, (2: FIN-85), pp. 239-248.

Key Words: database, requirements.

LEI-82
Leiss, E.L.
Principles of Database Security, Plenum Press, New York, 1982.

Key Words: book, database, general.

LEI-86
Leiss, F.L.
"The Inaccessible Set: A Classification by Query Type of Security Risk in Statistical Databases," Information Processing Letters, December 1986, pp. 275-279.

Key Words: statistical, methods.

LIE-85
Liew, C.K., W.J. Choi, and C.J. Liew
"A Data Distortion by Probability Distribution," ACM Trans. on Database Systems, September 1985, pp. 395-411.

Key Words: statistical, methods.

LIN-89
Lin, T.Y.
"Some Remarks on Inference Controllers," Proc. 2nd RADC Data Base Security Workshop, (6: RAD-89), May 1989.

Key Words: database, inference.

LIN-89a
Lin, T.Y.
"Commutative Security Algebra and Aggregation," Proc. 2nd RADC Data Base Security Workshop, (6: RAD-89), May 1989.

Key Words: database, methods, theory.

LOC-87
Lochovsky, F.H., and C.C. Woo
"Role-Based Security in Database Management Systems," Proc. IFIP WG 11.3 Meeting, (6: LAN-88), 1987, pp. 209-222.

Key Words: DBMS, methods.

LUN-87
Lunt, T.F., and T.A. Berson
"An Expert System to Classify and Sanitize Text," Proc. 3d Aerosp. Comp. Sec. Conf., (5: IEE-87b), 1987, pp. 30-34.

Key Words: database, techniques.

LUN-88
Lunt, T.F., et al.
"A Near-Term Design for the Sea View Multilevel Database System," Proc. 1988 IEEE Symp. on Sec. & Privacy, (5: IEE-88a), pp. 234-244.

Key Words: MLS, database, design.

LUN-88a
Lunt, T.F.
"Access Control Policies for Database Systems," Proc. IFIP WG 11.3 Workshop, (6: LAN-89b), 1988, pp. 41-52.

Key Words: database, control, policy.

LUN-88b
Lunt, T.F.
"Multilevel Database Systems: Meeting A1," Proc. IFIP WG 11.3 Workshop, (6: LAN-89b), 1988, pp. 177-186.

Key Words: MLS, database, methods.

LUN-88c
Lunt, T.F.
"A Summary of the RADC Database Security Workshop," Proc. 11th Natl. Comp. Sec. Conf., (5: NCS-88), 1988, pp. 188-193.

Key Words: database, general.

LUN-88d
Lunt, T.F.
"Toward a Multilevel Relational Data Language," Proc. 4th Aerosp. Comp. Sec. Conf., (4: IEE-88b), 1988, pp. 72-79.

Key Words: MLS, relational, design.

LUN-88e
Lunt, T.F., et al.
"Element-Level Classification with A-1 Assurance," Computers & Security, February 1988, pp. 73-82.

Key Words: MLS, database, methods.

LUN-89
Lunt, T.F.
"Aggregation and Inference: Facts and Fallacies," Proc. 1989 IEEE Symp. on Sec. & Privacy, (5: IEE-89b), pp. 102-109.

Key Words: database, inference.

LUN-89a
Lunt, T.F.
"Report from the Second RADC Database Security Workshop," Proc. 5th Aerosp. Comp. Sec. Conf., (4: IEE-89c), 1989, pp. 310-313.

Key Words: database, general.

LUN-89b
Lunt, T.F.
"Multilevel Security for Object-Oriented Database System," Proc. IFIP WG 11.3 (Data Base) Workshop, (6: IFI-89), 1989.

Key Words: MLS, database, methods.

LUN-90
Lunt, T.F.
Research Directions in Database Security, Proceedings, 1st RADC Data Base Security Invitational Workshop, Menlo Park, CA, May 1988, Springer Verlag, New York, 1990.

Key Words: proceedings, general.

MAC-87
MacEwen, G.H.
"Effects of Distributed System Technology on Database Security: A Survey," Proc. IFIP WG 11.3 Meeting, (6: LAN-88), 1987, pp. 253-261.

Key Words: database, networks.

MAN-87
Manola, F.A.
"A Personal View of DBMS Security," Proc. IFIP WG 11.3 Meeting, (6: LAN-88), Oct. 1987, pp. 23-34.

Key Words: MLS, DBMS, general.

MAT-86
Matloff, N.S.
"Another Look at the Use of Noise Addition for Database Security," Proc. 1986 IEEE Symp. on Sec. & Privacy, (5: IEE-86), pp. 173-180.

Key Words: statistical, techniques.

MAT-87
Matloff, N.S.
"Inference Control via Query Restriction vs. Data Modification," Proc. IFIP WG 11.3 Meeting, (6: LAN-88), 1987, pp. 159-166.

Key Words: statistical, techniques.

MAT-88
Matloff, N.S., and P. Tendick
"The 'Curse of Dimensionality' in Database Security," Proc. IFIP WG 11.3 Workshop, (6:LAN-89b), 1988, pp. 225-232.

Key Words: database, theory, methods.

MCH-88
McHugh, J., and
B.M. Thuraisingham
"Multilevel Security Issues in Distributed Database Management Systems," Computers & Security, August 1988, pp. 387-396.

Key Words: MLS, DBMS, network.

MCL-85
McLeish, M.
"Inference Controls for Intelligent Databases," Proceedings, 1985 Conference on Intelligent Systems and Machines, Oakland University Press, Oakland, MI, April 1985, pp. 71-75.

Key Words: database, methods, control, inference.

MCL-89
McLeish, M.
"Further Results on the Security of Partitioned Dynamic Statistical Databases," ACM Trans. on Database Systems, March 1989, pp. 98-113.

Key Words: statistical, methods.

MEA-87
Meadows, C., and S. Jajodia
"Integrity vs. Security in Multi-Level Secure Databases," Proc. IFIP WG 11.3 Meeting, (6: LAN-88), 1987, pp. 89-101

Key Words: MLS, databases, methods, integrity.

MEA-88
Meadows, C., and S. Jajodia
"Maintaining Correctness, Availability, and Unabiguity in Trusted Data Base Management Systems," Proc. 4th Aerosp. Comp. Sec. Conf., (4: IEE-88b), 1988, pp. 106-110.

Key Words: trusted, DBMS, methods, techniques.

MEA-88a
Meadows, C.
"Designing a Trusted Application Using an Object-Oriented Data Model," Proc. RADC Data Base Security Invitational Workshop, Menlo Park, CA, May 1988 (6: LUN-90), pp. 157-163.

Key Words: database, models, design.

MEA-88b
Meadows, C.
"New Approaches to Database Security: Report on Discussion," Proc. RADC Data Base Security Invitational Workshop, Menlo Park, CA, May 1988, (6: LUN-90), pp. 193-200.

Key Words: database, design, methods, general.

MEA-89
Meadows, C.
"Constructing Containers Using a Multilevel Relational Data Model," Proc. IFIP WG 11.3 (Data Base) Workshop, (6: IFI-89), 1989.

Key Words: database, model, design, relational.

MEA-89a
Meadows, C., and J. Forscher
"Operating System Support of Multilevel Applications," Proc. 2nd RADC Data Base Security Workshop, (6: RAD-90), May 1989.

Key Words: OS, database, methods.

MIN-81
Minsky, N.
"Synergistic Authorization in Database Systems," Proc., 7th Internat. Conference on Very Large Database Systems, September 1981.

Key Words: databases, control, methods, techniques.

MIR-80
Miranda, S.
"Aspects of Data Security in GeneralPurpose Data Base Mangement Systems," Proc. 1980 IEEE Symp. on Sec. & Privacy, (5: IEE-80), pp. 46-58.

Key Words: DBMS, requirements, methods.

MOR-87
Morgenstern, M.
"Sec. & Inference in Multilevel Database and Knowledge-Base Systems," Proc., ACM Internat. Conf. on Management of Data (SIGMOD-87), May 1987.

Key Words: MLS, database, inference.

MOR-88
Morgenstern, M.
"Controlling Logical Inference in Multilevel Database Systems," Proc. 1988 IEEE Symp. on Sec. & Privacy, (5: IEE-88b), pp. 245-255.

Key Words: MLS, database, inference.

MOR-88a
Morgenstern, M.
"Inference and Aggregation," Proc. RADC Data Base Security Invitational Workshop, Menlo Park, CA, May 1988, (6: LUN-90), pp. 118-133.

Key Words: database, inference.

NAS-83
Multilevel Data Management Security, Report on 1982 Air Force Summer Study, Air Force Studies Board, National Academy of Sciences, Washington, DC, 1983.

Key Words: proceedings, general.

NBS-81
Guidelines on Integrity Assurance and Control in Data Base Administration, FIPS PUB 88, National Bureau of Standards, Gaithersburg, MD, August 1981.

Key Words: database, guidelines integrity, methods.

NOT-86
Notargiacomo, L., and
J.P. O'Connor
"Report on Secure Distributed Data Management System Research," Proc. NCSC Workshop on Database Sec.,(6: COA-86), 1986, pp. G1-G9.

Key Words: database, methods, network.

NOT-88
Notargiacomo, L.
"Secure Distributed DBMS - Architecture Definition," Proc. RADC Data Base Security Invitational Workshop, Menlo Park, CA, May 1988 (6: LUN-90), pp. 23-48.

Key Words: MLS, DBMS, design.

NOT-88a
Notargiacomo, L.
"Metadata and View Classification," Proc. RADC Data Base Security Invitational Workshop, Menlo Park, CA, May 1988 (6: LUN-90), pp. 201-205.

Key Words: database, methods, views.

OCO-88
O'Connor, J.P. and
J.W. Gray III
"A Distributed Architecture for Multilevel Database Security," Proc. 11th Natl. Comp. Sec. Conf., (5: NCS-88), 1988, pp. 179-187.

Key Words: MLS, database, network.

OLD-84
Oldehoeft, A.E., and
R. McDonald
"A Software Scheme for User Controlled File Encryption," Computers & Security, February 1984, pp. 35-42.

Key Words: database, encryption.

OMA-83
Omar, K.A., and D.L. Wells
"Modified Structure for the Subkeys Model," Proc. 1983 IEEE Symp. on Sec. & Privacy, (5: IEE-83a), pp. 79-86.

Key Words: database, encryption.

OZS-82
Ozsoyoglu, G., and F.Y. Chin
"Enhancing the Security of Statistical Databases with a Question-Answering System and a Kernel Design," IEEE Trans. on Software Engr., May 1982, pp. 223-234.

Key Words: statistical, methods, inference, design.

OZS-85
Ozsoyoglu, G., and T.A. Su
"Rounding and Inference Control in Conceptual Models for Statistical Databases," Proc. 1985 IEEE Symp. on Sec. & Privacy, (5: IEE-85), pp. 160-173.

Key Words: statistical, inference, techniques.

PAA-86
Paass, G.
"Disclosure Risk and Disclosure Avoidance for Microdata," Proc. IFIP/Sec. '86, Monte Carlo, 1986, (2: GRI-89).

Key Words: statistical, threats, techniques.

PAL-87
Palley, M.A., and
J.S. Simonoff
"The Use of Regression Methodology for Compromise of Confidential Information in Statistical Database," ACM Trans. on Database Systems, December 1987, pp. 593-608.

Key Words: statistical, threats.

PAT-85
Patkau, B.H., and D.L. Tennenhouse "The Implementation of Secure Entity-Relationship Databases," Proc. 1986 IEEE Symp. on Sec. & Privacy, (5: IEE-86), pp. 230-236.

Key Words: databse, design, methods.

PET-89
Petrie, M.L., E. Gudes, and E.B. Fernandez "Security Policies in Object-Oriented Databases," Proc. IFIP WG 11.3 (Data Base) Workshop, (6: IFI-89), 1989.

Key Words: database, policy, methods.

PLU-88
Pluimakers, G.M.J. "Some Notes on Authorization and Transaction Management in Distributed Database Systems," Computers & Security, June 1988, pp. 287-298.

Key Words: databse, control, network.

RAD-89
"Research Directions in Database Security, II," Proceedings, 2nd RADC Data Base Security Workshop, Bethlehem, NH, May 1989, SRI International, Menlo Park, CA, December 22, 1989.

Key Words: proceedings, general, policy, methods.

REI-80
Reiss, S.P. "Practical Data Swapping," Proc. 1980 IEEE Symp. on Sec. & Privacy, (5: IEE-80), pp. 38-45.

Key Words: database, techniques.

REI-84
Reiss, S.P. "Practical Data Swapping: The First Steps," ACM Trans. on Database Systems, March 1984, pp. 20-37.

Key Words: database, techniques.

ROD-80
Rodriguez, J.J., and P.S. Fisher "Security Problems in a Data Base Environment," in Rullo, T.A. (Ed.), Advances inComputer Security Management, Vol. 1, Heyden & Son, Philadelphia, PA, 1980, pp. 122-139.

Key Words: database, threats.

ROU-87
Rougeau, P.A. and E.D. Sturms "The Sybase Secure Dataserver: A Solution to the Multilevel Secure DBMS Problem," Proc. 10th Natl. Comp. Sec, Conf., (5: NCS-87a), 1987, pp. 211-215.

Key Words: MLS, DBMS, case.

RUD-85
Rudell, M.E. "Labeling Screen Output," Proc. 1986 IEEE Symp. on Sec. & Privacy, (5: IEE-86), pp. 237-240.

Key Words: database, techniques.

RUS-89
Russell, L. "Semantic Overloading of the Relational Model for Multilevel Security," Proc. 2nd RADC Data Base Security Workshop, (6: RAD-89), May 1989.

Key Words: MLS, database, methods.

SAD-89
Sadhu, R. "Mandatory Controls for Database Integrity," Proc. IFIP WG 11.3 (Data Base) Workshop, (6: IFI-89), 1989.

Key Words: database, integrity.

SCH-80
Schell, R.R., and L.A. Cox "A Secure Archival Storage System," Conference Record, 1980 IEEE Fall Comcon, Washington, DC, 1980.

Key Words: database, case.

SCH-80a
Schlorer, J. "Disclosure from Statistical Databases: Quantitative Aspects of Trackers," ACM Trans. on Database Systems, December 1980, pp. 467-492.

Key Words: statistical, inference.

SCH-81
Schlorer, J. "Security in Statistical Databases: Multidimensional Transformations," ACM Trans. on Database Systems, March 1981, pp. 95-112.

Key Words: statistical, techniques.

SCH-83
Schloerer, J., and D.E. Denning "Protecting Query Based Statistical Output," Proc. IFIP/Sec. '83, Stockholm, 1983, (2: FAK-83), pp. 37-46.

Key Words: statistical, techniques.

SCH-83a
Schloerer, J. "Information Loss in Partitioned Statistical Databases," Computer Journal, No. 3, 1983, pp. 218-223.

Key Words: statistical, inference.

SCH-85
Schaefer, M.
"On the Logical Extension of the Criteria Principles to Design of Multi-level Database Management Systems," Proc. 8th Natl. Comp. Sec. Conf., (5: NCS-85), 1985, pp. 28-30.

Key Words: MLS, DBMS, criteria, design.

SCH-86
Schell, R.R., and D.E. Denning
"Integrity in Trusted Database Systems," Proc. 9th Natl. Comp. Sec. Conf., (5: NCS-86), 1986, pp. 30-36.

Key Words: database, integrity.

SCH-86a
Schell, R.R., and D.E. Denning
"Integrity in Trusted Database Systems," Proc. NCSC Workshop on Database Sec., (6: COA-86), 1986, pp. C1-C14.

Key Words: database, integrity.

SCH-88
Schaeffer, M.
"Dynamic Classification and Automatic Sanitization," Proc. RADC Data Base Security Invitational Workshop, Menlo Park, CA, May 1988 (6: LUN-90), pp. 134-139.

Key Words: database, techniques.

SHO-88
Shockley, W.R. and D.F. Warren
"Description of Multilevel Secure Entity-Relationship DBMS Demonstration," Proc. 11th Natl. Comp. Sec. Conf., (5: NCS-88), 1988, pp. 171-178.

Key Words: MLS, DBMS, design, case.

SIC-83
Sicherman, G.L., W. deJonge and R. van de Ried
"Answering Questions Without Revealing Secrets," ACM Trans. on Database Systems, March 1983, pp. 41-59.

Key Words: database, methods.

SMI-88
Smith, G.W.
"Identifying and Representing the Security Semantics of an Application," Proc. 4th Aerosp. Comp. Sec. Conf., (4: IEE-88b), 1988, pp. 125-130.

Key Words: database, models, methods.

SMI-88a
Smith, G.W.
"Classifying and Downgrading: Is a Human Needed in the Loop?," Proc. RADC Data Base Security Invitational Workshop, Menlo Park, CA, May 1988, (6: LUN-90), pp. 164-185.

Key Words: MLS, database, methods.

SMI-89
Smith, G.W.
"Going Beyond Technology to Meet the Challenge of Multilevel Database Security," Proc. 12th Natl. Comp. Sec. Conf., (5: NCS-89), 1989, pp. 1-10.

Key Words: MLS, database, methods.

SMI-89a
Smith, G.W.
"Multilevel Secure Database Design: A Practical Applications," Proc. 5th Security Applicat. Conf., (4: IEE-89c), 1989, pp. 314-321.

Key Words: MLS, database, design.

SMI-89b
Smith, G.W.
"Solving Multilevel Database Security Problems: Technology Is Not Enough," Proc. IFIP WG 11.3 (Data Base) Workshop, (6: IFI-89), 1989.

Key Words: MLS, database, methods.

SMI-89c
Smith, G.W.
"MAC, DAC and the Need-to-Know," Proc. 2nd RADC Data Base Security Workshop, (6: RAD-89), May 1989.

Key Words: MLS, database, policy.

SMI-89d
Smith, G.W.
"Homework Problem #2: MLS Database Design," Proc. 2nd RADC Data Base Security Workshop, (6: RAD-89), May 1989.

Key Words: MLS, database, design.

SMI-89e
Smith, W.G.
"Report on the Homework Problem," Proc. 2nd RADC Data Base Security Workshop, (6: RAD-89), May 1989.

Key Words: MLS, database, design.

SPO-84
Spooner, D.L., and E. Gudes
"A Unifying Approach to the Design of Secure Database Operating Systems," IEEE Trans. on Software Engr., May 1984, pp. 310-319.

Key Words: MLS, database, OS, design.

SPO-86
Spooner, A.M., et al. "Framework for the Security Component of an ADA DBMS," Proceedings, 12th International Conference on Very Large Data Bases, 1986, pp. 347-354.

Key Words: DBMS, methods, case.

SPO-86a
Spooner, A.M., et al. "Framework for the Security Component of an ADA DBMS," Proc. NCSC Workshop on Database Sec., (6: COA-86), 1986, pp. F1-F15.

Key Words: DBMS, methods, case.

SPO-87
Spooner, D.L. "Relationaships Between Database System and Operating System Security," Proc. IFIP WG 11.3 Meeting, (6: LAN-88), Oct. 1987, pp. 149-158.

Key Words: database, OS, design.

SPO-88
Spooner, D.L. "The Impact of Inheritance on Security in Object-Oriented Database System," Proc. IFIP WG 11.3 Workshop, (6: LAN-89b), Oct. 1988, pp. 141-150.

Key Words: database, model, methods.

STA-88
Stachour, P., B. Thuraisingham, and P. Dwyer "Update Processing in LDV: A Secure Database System," Postscript, 11th Natl. Comp. Sec. Conf., (5: NCS-88a), 1988, pp. 96-115.

Key Words: MLS, database, method, case.

STA-88a
Stachour, P. "LOCK Data Views," Proc. RADC Data Base Security Invitational Workshop, Menlo Park, CA, May 1988 (6: LUN-90), pp. 65-73.

Key Words: MLS, database, views.

SUM-81
Summers, R.C., E.B. Fernandez, and C. Wood "Auditing and Control in a Database Environment," Computer Security Journal, Spring 1981, pp. 99-121.

Key Words: database, auditing, case.

SUT-87
Su, T.-A, and G. Ozsoyoglu "Data Dependencies and Inference Control in Multilevel Relational Database Systems," Proc. 1987 IEEE Symp. on Sec. & Privacy, (5: IEE-87a), pp. 202-211.

Key Words: MLS, DBMS, inference, control, design.

SUT-89
Su, T.-A., J. Chung, and G. Ozsoyoglu "On the Cell Suppression by Merging Technique in the Lattice Model of Summary Tables," Proc. 1989 IEEE Symp. on Sec. & Privacy, (5: IEE-89b), pp. 126-135.

Key Words: statistical, model, method, techniques.

SUT-89a
Su, T.-A, and G. Ozsoyoglu "Multivalued Dependency Inferences Relational Database Systems," Proc. IFIP WG 11.3 (Data Base) Workshop, (6: IFI-89), 1989.

Key Words: database, inference.

THO-88
Thompsen, D., W.T. Tsai, and M.B. Thuraisingham "Prototyping as a Research Tool for MLS/DBMS," Proc. IFIP WG 11.3 Workshop, (6: LAN-89b), Oct. 1988, pp. 63-84.

Key Words: MLS, DBMS, design.

THO-89
Thomsen, D., W.T. Tsai, and M.B. Thuraisingham "Prototyping to Explore MLS/DBMS Design," Computers & Security, May 1989, pp. 229-245.

Key Words: MLS, DBMS, design.

THU-87
Thuraisingham, M.B. "Security Checking in Relational Database Management Systems Augmented with Inference Engines," Computers & Security, December 1987, pp. 479-492.

Key Words: DBMS, inference, methods.

THU-88
Thuraisingham, M.B., W.T. Tsai, and T.F. Keefe "Secure Query processing Using AI Techniques," Proceedings, 21st Hawaii Internat. Conference on Systems Sciences, January 1988.

Key Words: database, techniques.

THU-88a
Thuraisingham, M.B. "Foundations of Multilevel Databases," Proc. RADC Data Base Security Invitational Workshop, Menlo Park, CA, May 1988 (6: LUN-90).

Key Words: MLS, database, theory.

THU-89
Thuraisingham, M.B.
"A Multilevel Secure Data Model," Proc. 12th Natl. Comp. Sec. Conf., (5: NCS-89), 1989, pp. 579-590.

Key Words: MLS, database, models.

THU-89a
Thuraisingham, M.B.
"Mandatory Security in Object-Oriented Database Systems," Proceedings, ACM Conference on Object-Oriented Progarmming, October 1989.

Key Words: MLS, database, policy.

THU-89b
Thuraisingham, M.B.
"Recent Developments in Database Security," Proc., IEEE Comp. Applicat. Conf., September 1988.

Key Words: database, general, methods.

THU-89c
Thuraisingham, M.B.
"Security Checking with Prolog Extensions," Proceedings, 2nd RADC Data Base Security Invitational Workshop, Franconia, NH, May 1989 (6: RAD-90).

Key Words: database, techniques.

THU-89d
Thuraisingham, M.B.
"A Functional View of Multilevel Databases," Computers & Security, December 1989, pp. 721-729.

Key Words: MLS, database, methods.

THU-89e
Thuraisingham, M.B.
"Secure Query Processing in Intelligent Database Management Systems," Proc. 5th Security Applicat. Conf., (4: IEE-89c), 1989, pp. 204-214.

Key Words: DBMS, methods, techniques.

TIN-87
Ting, T.C.
"A User-Role Based Data Security Approach," Proc. IFIP WG 11.3 Meeting, (6: LAN-88), Oct. 1987, pp. 187-208.

Key Words: database, methods.

TRA-84
Traub, J.F., Y. Yemeni, and H. Wozniakowski
"The Statistical Security of a Statistical Database," ACM Trans. on Database Systems, December 1984, pp. 672-679.

Key Words: statistical, methods.

TRO-86
Troxell, P.J.
"Trusted Database Design," Proc. 9th Natl. Comp. Sec. Conf., (5: NCS-86), 1986, pp. 37-40

Key Words: database, trusted, design.

TRU-84
Trueblood, R.P.
"Security Issues in Knowledge Systems," Proceedings, 1st International Workshop on Expert Database Systems, October 1984, pp. 834-840.

Key Words: database, general, methods.

VAN-80
van de Riet, R.P., and A. Wasserman
"A Module Definition Facility for Access Control in Distributed Data Base Systems," Proc. 1980 IEEE Symp. on Sec. & Privacy, (5: IEE-80), pp. 59-66.

Key Words: database, network, control.

VAN-86
van der Lans, R.F.
"Data Security in a Relational Database Environment," Computers & Security, June 1986, pp. 128-134.

Key Words: database, relational.

VET-89
Vetter, L., and G. Smith
"TCB Subsets: The Next Step," Proc. 5th Security Applicat. Conf., (4: IEE-89c), 1989, pp. 216-221.

Key Words: database, design.

WAG-82
Wagner, N.R.
"Shared Database Access Using Composed Encryption Functions," Proc. 1982 IEEE Symp. on Security and Privacy, (5: IEE-82), pp. 104-110.

Key Words: database, encryption, control.

WAG-83
Wagner, N.R.
"Fingerprinting," Proc. 1983 IEEE Symp. on Sec. & Privacy, (5: IEE-83a), pp. 18-22.

Key Words: database, techniques, control, authentication.

WAG-86
Wagner, N.R., P.S. Putter and M.R. Cain
"Encrypted Database Design: Specialized Approaches," Proc. 1986 IEEE Symp. on Sec. & Privacy, (5: IEE-86), pp. 148-153.

Key Words: database, design, encryption, techniques.

WHI-89
Whitehurst, R.A., and T.F. Lunt
"The SeaView Verification," Proc. Comp. Sec. Foundations Workshop, 1989 (3: IEE-89a), pp. 125-132.

Key Words: verification, views, case.

WHI-89a
Whitehurst, R.A., and T.F. Lunt
"The Seaview Verification Effort," Proc. 12th Natl. Comp. Sec. Conf., (5: NCS-89), 1989, pp. 18-27.

Key Words: verificatio, views, case.

WIL-88
Wilson, J.
"Views as the Security Objects in a Multilevel Secure Relational Database Management System," Proc. 1988 IEEE Symp. on Sec. & Privacy, (5: IEE-88a), pp. 70-84.

Key Words: MLS, DBMS, views.

WIL-89
Wilson, J.
"A Security Policy for an A1DBMS (a Trusted Subject)," Proc. 1989 IEEE Symp. on Sec. & Privacy, (5: IEE-89b), pp. 116-125.

Key Words: MLS, DBMS, policy, case.

WIN-88
Winkler, H.
"Sybase Secure SQL Server," Proc. RADC Data Base Security Invitational Workshop, Menlo Park, CA, May 1988, (6: LUN-90), pp. 65-73.

Key Words: database, methods, case.

WIS-89
Wiseman, S.
"On the Problem of Security in Databases," Proc. IFIP WG 11.3 (Data Base) Workshop, (6: IFI-89), 1989.

Key Words: database, requirements.

WOO-80
Wood, C., E.B. Fernandez, and R.C. Summers
"Data Base Security: Requirements, Policies, and Models," IBM Systems Journal, Vol. 19, No. 2, 2980, pp. 229-252.

Key Words: database, requirements.

WOO-89
Wood, T.
"A Trusted Database Machine Kernel for Nonproprietary Hardware," Proc. 12th Natl. Comp. Sec. Conf., (5: NCS-89), 1989, pp. 11-17.

Key Words: database, kernel, design.

WUA-88
Wu, A.
"A1 Secure DBMS Architecture," Proc. RADC Data Base Security Invitational Workshop, Menlo Park, CA, May 1988, (6: LUN-90), pp. 15-22.

Key Words: MLS, DBMS, design, case.

7. Communication and Network Security

This section cites publications on physical security in networks, applied cryptographic techniques, secure communications protocols, and trusted network development.

ABB-84
Abbruscato, C.R.
"Data Encryption Equipment", IEEE Communications Magazine, September 1984, pp. 15-21.

Key Words: crypto, hardware.

ABB-86
Abbruscato, C.R.
"Choosing a Key Management Style That Suits the Application," Data Communications, April 1986, pp. 146-160.

Key Words: crypto, keys.

ABR-85
Abrams, M.D.
"Observations on Local Area Network Security," Proc. 5th Sec. Applicat. Conf., (5: IEE-89c), 1989, pp. 77-82.

Key Words: LAN, methods, general.

ABR-87
Abrams, M.D.
"Evaluating Security Services Under Part II of the Trusted Network Interpretation," Proc. 3d Aerosp. Comp. Sec. Conf., (5: IEE-87b), 1987, pp. 44-51.

Key Words: trusted, network, criteria.

ABR-88
Abrams, M.D., S.I. Schaen, and M.W. Schwartz
"Strawman Trusted Network Interpretation Guideline," Proc. 11th Natl. Comp. Sec. Conf., (5: NCS-88), 1988, pp. 194-200.

Key Words: guidelines, trusted, network, criteria.

ADD-88
Addison, K.P.
"Secure Networking at Sun Microsystems, Inc.," Proc. 11th Natl. Comp. Sec. Conf., (5: NCS-88), 1988, pp. 212-218.

Key Words: methods, network, case.

AGN-84
Agnew, G.B.
"Secrecy and Privacy in a Local Area Network Environment," Proc. Eurocrypt '84, Paris, 1984, (8: BET-85), pp. 349-363.

Key Words: LAN, methods, general.

AGN-85
Agnew, G.B.
"Modeling of Encryption Techniques for Secrecy and Privacy in Multi-User Networks," Proc. Eurocrypt '85, Linz, 1985, (8: PIC-86), pp. 221-230.

Key Words: crypto, techniques, models, network.

ALB-84
Albert, D.J., et al.
"Combatting Software Piracy by Encryption and Key Management," IEEE Computer, April 1984, pp. 68-72.

Key Words: threats, crypto, keys, management.

ALV-89
Alvarez, D.L.
"Site Preparedness for the Next Network Emergency," Proc. 11th Natl. Comp. Sec. Conf., (5: NCS-89), 1989, pp. 601-604.

Key Words: contingency, network.

AMS-88
Amsel, E.
"Network Security and Access Control," Computers & Security, February 1988, pp. 53-57.

Key Words: control, network.

AND-85
Anderson, J.P.
"Unification of Computer and Network Security Concepts," Proc. 1985 IEEE Symp. on Sec. & Privacy, (5: IEE-85), pp. 77-87.

Key Words: models, network.

AND-87
Anderson, D.P., and P.V. Ragan
"A Basis for Secure Communication in Large Distributed Systems," Proc. 1987 IEEE Symp. on Sec. & Privacy, (5: IEE-87a), pp. 167-172.

Key Words: policy, distributed, models, network.

AND-87a
Anderson, D.P., and P.V. Ragan
"High-Performance Interface Architectures for Cryptographic Hardware," Proc. Crypto '87, Santa Barbara, CA, 1987, (8: POM-88), pp. 301-309.

Key Words: crypto, hardware.

ANS-82
American National Standard for PIN Management and Security, X9.8-1988, American Bankers Association, Washington, DC, January 1982.

Key Words: control, standards.

ANS-82a
American National Standard for Financial Institution Message Authentication, X9.9-1982 American Bankers Association, Washington, DC, April 1982.

Key Words: control, standards.

ARB-89
Arbo, R.S., E.M. Johnson, and R.L. Sharp
"Extending Mandatory Access Controls to a Networked MLS Environment," Proc. 12th Natl. Comp. Sec. Conf., (5: NCS-89), 1989, pp. 286-295.

Key Words: MLS, network, control.

ARS-84
Arsenault, A.
"Security Issues Involved in Networking Personal Computers," Proc. 7th Seminar, DoD Comp. Sec. Progr., (5: DOD-84), 1984, pp. 72-78.

Key Words: policy, PC, network, requirements.

ARS-87
Arsenault, A.W.
"Development in Guidance for Trusted Networks," Proc. 10th Natl. Comp. Sec. Conf., (5: NCS-87a), 1987, pp. 1-8.

Key Words: guidelines, trusted, network, criteria.

ARS-87a
Aresnault, A.W.
"Developments in Guidance for Trusted Networks: The Trusted Network Interpretation," AIAA No. 87-3074, Proc. 3d Aerosp. Comp. Sec. Conf., (5: IEE-87b), 1987, pp. 52-59.

Key Words: guidelines, trusted, network, criteria.

BAC-89
Bacon, M.
"Assessing Public Network Security," Telecommunications, December 1989, pp. 19-20.

Key Words: requirments, network, general.

BAK-84
Baker, P.C.
"Communications System Security Evaluation Criteria," Proc. 7th Seminar, DoD Comp. Sec. Progr., (5: DOD-84), 1984, pp. 58-71.

Key Words: criteria, general.

BAK-85
Baker, P.C., et al.
"A1 Assurance for an Internet System: Doing the Job," Proc. 9th Natl. Comp. Sec. Conf., (5: NCS-86), 1986, pp. 130-137.

Key Words: verification, network, methods, case.

BAL-85
Balenson, D.M.
"Automated Distribution of Cryptographic Keys Using the Financial Institution Key Management Standard," IEEE Communications Magazine, September 1985, pp. 41-46.

Key Words: crypto, keys, standards.

BAN-82
Banerjee, S.K.
"High-Speed Implementation of the DES," Computers & Security, November 1982, pp. 261-267.

Key Words: crypto, DES, hardware.

BAR-83
Barnes, D.
"The Provision of Security for User Data on Packet Switched Networks," Proc. 1983 IEEE Symp. on Sec. & Privacy, (5: IEE-83a), pp. 121-126.

Key Words: methods, network.

BAR-86
Barrett, P.
"Implementing the Rivest Shamir and Adleman Public Key Encryption Algorithm on a Standard Digital Signal Processor," Proc. Crypto '86, Santa Barbara, CA, 1986, (8: ODL-87), pp. 311-323.

Key Words: RSA, hardware, case.

BAR-89
Barker, L.K.
"The SILS Model for LAN Security," Proc. 12th Natl. Comp. Sec. Conf., (5: NCS-89), 1989, pp. 267-276.

Key Words: LAN, models, case.

BAR-89a
Barrett, P.
"The Smart Diskette--A Universal Cryptoengine," Proc. Crypto '89, Santa Barbara, CA, (8: BRA-89) 1989.

Key Words: crypto, techniques.

BAR-89b
Bartlett, W.
"Security for Packet-Switched Networks," Telecommunications, September 1989, pp. 47-49.

Key Words: networks, general.

BAU-83
Bauer, R.K., T.A. Berson, and R.J. Feiertag
"A Key Distribution Protocol Using Event Markers," ACM Trans. on Computer Systems, August 1983, pp. 249-255.

Key Words: crypto, keys, method.

BAY-88
Bayle, A.J.
"Security in Open System Networks: A Tutorial Survey," Information Age, (U.K.), July 1988, pp. 131-145.

Key Words: networks, general.

BEC-80
Becker, H.B.
"Data Network Security: Everyone'a Problem," Data Communications, September 1980, pp. 72-90.

Key Words: networks, general.

BEK-84
Beker, H., and M. Walker
"Key Management for Secure Electronic Transfer in Retail Environment". Proc. Crypto '84, Santa Barbara, CA, 1984, (8: BLA-84a), pp. 401-410.

Key Words: crypto, keys, case.

BEK-85
Beker, H. and F. Piper
Secure Speech Communications, Academic Press, New York, 1985.

Key Words: book, techniques.

BEK-87
Beker, H.J., and G.M. Cole
"Message Authentication and Dynamic Passwords," Proc. Eurocrypt '87, Amsterdam, 1987, (8: CHA-88a), pp. 171-175.

Key Words: network, methods, authentication.

BEL-86
Bell, D.E.
"Secure Computer Systems: A Network Interpretation," Proc. 2nd Aerosp. Comp. Sec. Conf., (5: IEE-86a), 1986, pp. 2-4.

Key Words: trusted, network, criteria, methods.

BEL-89
Bellovin, C.
"Security Problems in TCP/IP Protocol Suite," ACM Computer Communications Rev., April 1989, pp. 32-48.

Key Words: threats, protocols, requirements, case.

BER-82
Berson, T.A.
"Local Network Cryptosystem Architecture: Access Control," Proc. Crypto-82, Santa Barbara, CA, 1982, (9: CHA-83b), pp. 251-258.

Key Words: LAN, crypto, methods.

BER-82a
Berson,T.A, and R.K. Bauer
"Local Network Cryptosystem Architecture," Proceedings, IEEE Comcon, Spring, 1982, pp. 138-143.

Key Words: LAN, crypto, methods.

BER-83
Berman, A.
"Evaluating On-Line Computer Security," Data Communications, July 1983, pp. 145-152.

Key Words: management, nethods.

BON-89
Bong, D., and C. Ruland
"Optimized Software Implementations of the Modular Exponentiation on General Purpose Microprocessors," Computers & Security, December 1989, pp. 621-630.

Key Words: RSA, methods, PC.

BOS-88
Bosen, R.
"Securing the Micro-Mainframe Link," Proc. IFIP/Sec. '88, Australia, 1989, (2: CAE-89), pp. 351-355.

Key Words: control, techniques, PC.

BOY-88
Boyd, C.
"Some Applications of Multiple Key Ciphers," Proc. Eurocrypt '88, Davos, 1988 (9: GUN-89), pp. 455-467.

Key Words: crypto, methods, case.

BRA-82

Branstad, D.K., and M.E. Smid "Integrity and Security Standards Based on Cryptography," Computers & Security, November 1982, pp. 255-260.

Key Words: crypto, methods, standards.

BRA-85

Brand, S. "A Status Report on the Development of Network Criteria," Proc. 8th Natl. Comp. Sec. Conf., (5: BCS-85), 1985, pp. 145-151.

Key Words: network, criteria.

BRA-85a

Bradey, R.L., and I.G. Graham "Full Encryption in a Personal Computer System," Proc. Eurocrypt '85, Linz, 1985, (8: PIC-86), pp. 231-240.

Key Words: crypto, methods, PC.

BRA-87

Branstad, D.K. "Considerations for Security in the OSI Architecture," Proc. 10th Natl. Comp. Sec. Conf., (5: NCS-87a), 1987, pp. 9-14.

Key Words: OSI, network, methods.

BRA-87a

Branstad, D.K. "Considerations for Security in the OSI Architecture," IEEE Network Magazine, April 1987.

Key Words: OSI, network, methods.

BRA-87b

Branstad, D., et al. "SP4: A Transport Encapsulation Security Protocol," Proc. 10th Natl. Comp. Sec. Conf., (5: NCS-87a), 1987, pp. 158-161.

Key Words: protocols, case.

BRA-87c

Branstad, M., et al. "SP4: A Transport Encapsulation Security protocol," AIAA No. 87-3060, Proc. 3d Aerosp. Comp. Sec. Conf., (5: IEE-87b), 1987, pp. 143-145.

Key Words: protocols, case.

BRA-89

Branstad, M., et al. "Key Management and Access Control for an Electronic Mail System," Proc. 12th Natl. Comp. Sec. Conf., (5: NCS-89), 1989, pp. 230-231.

Key Words: EM, crypto, keys.

BRI-84

Britton, D.E. "Formal Verification of a Secure Network with End-to-End Encryption," Proc. 1984 IEEE Symp. on Sec. & Privacy, (5: IEE-84), pp. 154-166.

Key Words: crypto, network, methods.

BRI-89

Brickell, E.F. "A Survey of Hardware Implementations of RSA" Proc. Crypto '89, Santa Barbara, CA, (8: BRA-90), 1989.

Key Words: RSA, hardware, general.

BRO-84

Browne, P.S. "How to Manage the Network Security Problem," Computer Security Journal, Summer 1984, pp. 75-88.

Key Words: management, network.

BUR-87

Burger, W. "Networking of Secure Xenix Systems," Proc. 10th Natl. Computer Sec. Conf., (5: NCS-87a), 1987, pp. 254-256.

Key Words: network, methods, case.

BUS-83

Busse, J.G. "Developing a Cryptographic System for Electronic Mail," The Office, November 1983, pp. 122-128.

Key Words: crypto, methods, case.

CAC-84

Caccetta, L. "Vulnerability of Communications Networks," Networks, Vol. 14, No. 1, 1984, pp. 117-140.

Key Words: vulnerabilities, network.

CAL-83

Callaghan, D.R. "Securing the Distributed Word Processing Network," Computers & Security, January 1983, pp. 78-81.

Key Words: methods, network.

CAP-88

Capel, A.C., C. Laterriere, and K.C. Toth "Protecting the Security of X.25 Communications," Data Communications, November 1988, pp. 123-139.

Key Words: methods, protocols,

CAR-86
Carroll, J.M., and S. Martin "Cryptographic Requirements for Secure Data Communications," Proc. IFIP/Sec. '86, Monte Carlo, 1986, (2: GRI-89).

Key Words: crypto, requirements.

CAR-87
Carroll, J.M. "Strategies for Extending the Useful Lifetime of DES," Computers & Security, August 1987, pp. 300-313.

Key Words: DES, management.

CAS-88
Casey, T.J., and S.R. Wilbur "Privacy Enhanced Electronic Mail," Proc. 4th Aerosp. Comp. Sec. Conf., (4: IEE-88b), 1988, pp. 16-21.

Key Words: EM, policy, methods.

CER-83
Cerullo, M.J. "Data Communication Controls," Computers & Security, January 1983, pp. 67-72.

Key Words: controls, general.

CHE-89
Chess, D.M. "Computer Viruses and Related Threats to Computer and Network Integrity," Computer Networks and ISDN Systems, July 1989, pp. 141-148.

Key Words: threats, network.

CHI-89
Chick, G.C., and F.E. Tavares "Flexible Access Control with Master Keys" Proc. Crypto '89, Santa Barbara, CA, (8: BRA-90), 1989.

Key Words: crypto, control, keys.

CHI-89a
Chiou, G.-H., and W.-T. Chen "Secure Broadcasting Using the Secure Lock," IEEE Trans. on Software Engr., August 1989, pp. 929-934.

Key Words: network, techniques, case.

CHR-88
Christoffersson, P. "Message Authentication and Encryption Combined," Computers & Security, February 1988, pp. 65-71.

Key Words: crypto, control.

CIM-85
Cimimiera, L., and A. Valenzano "Authentication Mechanisms in Microprocessor-Based Local Area Networks," IEEE Trans. on Software Engr., May 1989, pp. 654-958.

Key Words: LAN, authentication.

CLA-87
Clark, A.J. "Physical Protection of Cryptographic Devices," Proc. Eurocrypt '87, Amsterdam, 1987, (8: CHA-88a), pp. 83-93

Key Words: crypto, physical, hardware, techniques.

COH-85
Cohen, F. "A Secure Computer Network Design," Computers & Security, September 1985, pp. 189-206.

Key Words: network, design.

COH-87
Cohen, F. "Protection and Administration of Information Networks with Partial Ordering," Computers & Security, April 1987, pp. 118-128.

Key Words: network, management, methods, control.

COH-87a
Cohen, F. "Design and Administration of Distributed and Hierarchical Information Networks Under Partial Ordering," Computers & Security, June 1987, pp. 219-228.

Key Words: network, management, methods, control.

COH-87b
Cohen, F. "Design and Protection of Information Networks Under a Partial Ordering," Computers & Security, August 1987, pp. 332-338.

Key Words: network, design, methods.

COH-87c
Cohen, F. "A Cryptographic Checksum for Integrity Protection," Computers & Security, December 1987, pp. 505-510.

Key Words: crypto, technique.

COH-88
Cohen F. "Two Secure File Servers," Computers & Security, August 1988, pp. 409-414.

Key Words: network, methods, case.

COO-89
Cooper, J.A. Computer and Communications Security: Strategies for the 1990s, McGraw-Hill, New York, 1989

Key Words: book, techniques, methods, general.

CRA-88
Cramer, R., B. Ridridge, and E. Schallenmuller "Design and Implementation of a Secure Terminal Gateway," Proc. 4th Aerosp. Comp. Sec. Conf., (5: IEE-88b), 1988, pp. 262-268.

Key Words: network, design, case.

CSC-87
Trusted Network Interpretation of the Trusted Computer System Evaluation Criteria, NCSC-TG-005, Version 1, National Computer Security Center, Ft. Meade, MD, 31 July 1987.

Key Words: trusted, network, criteria, guidelines.

DAN-89
Danner, B.P.
"Initial Approach for a TRW Secure Communications Processor," Proc. 12th Natl. Comp. Sec. Conf., (5: NCS-89), 1989, pp. 197-214.

Key Words: design, policy, case, hardware.

DAV-80
Davida, G.I., R.A. DeMillo, and R.J. Lipton
"Protecting Shared Cryptographic Keys," Proc. 1980 IEEE Symp. on Sec. & Privacy, (5: IEE-80), pp. 100-102.

Key Words: crypto, keys, methods, management.

DAV-81
Davies, D.W.
Tutorial: The Security of Data in Networks, IEEE Computer Society Press, Los Angeles, CA, 1981.

Key Words: book, network, general, methods, techniques.

DAV-83
Davies, D.W.
"Applying the RSA Digital Signature to Electronic Mail," IEEE Computer, February 1983, pp. 55-62.

Key Words: RSA, crypto, methods, EM, authentication.

DAV-84
Davies, D.W., and W.L. Price
Security for Computer Networks, J. Wiley & Sons, New York, 1984.

Key Words: book, networks, general.

DAV-84a
Davio, M., et al.
"Efficient Hardware and Software Implementations for the DES," Proc. Crypto '84, Santa Barbara, CA, 1984, (8: BLA-84a), pp. 144-173.

Key Words: DES, crypto, hardware.

DAV-84b
Davies, D.W.
"A Message Authentication Algorithm Suitable for a Mainframe Computer," Proc. Crypto '84, Santa Barbara, CA, 1984, (8: BLA-84a), pp. 393-400.

Key Words: crypto, authentication, signatures, methods.

DAV-84c
Davies, D.W.
"The Use of Digital Signatures in Banks," Proc. IFIP/Sec. '84, Toronto, 1984, (2: FIN-85), pp. 13-21

Key Words: crypto, authentication, signatures, methods.

DAV-85
Davies, D.W.
"Engineering Secure Infromation Systems," Proc. Eurocrypt '85, Linz, 1985, (9: PIC-86), pp. 191-199.

Key Words: design, methods.

DAV-88
Davida, G.I., and Y. Desmedt
"Passports and Visas Versus IDs," Proc. Eurocrypt '88, Davos, 1988 (9: GUN-89), pp. 183-188.

Key Words: authentication, crypto, methods.

DAV-89
Davis, R.
"Network Authentication Tokens," Proc. 5th Security Applicat. Conf., (5: IEE-89c), 1989, pp. 234-238.

Key Words: authentication, methods.

DAV-89a
Davies, D.W., and W. L Price
Security for Computer Networks, 2nd Edition, J. Wiley & Sons, New York, 1989

Key Words: book, network, crypto, techniques, general.

DAV-89b
Davids, R.
"Australian EFTPOS Security Standards," Proc. IFIP/Sec. '88, Australia, 1989, (2: CAE-89), pp. 357-365.

Key Words: standards, case.

DEL-89
Del Re, E., R. Fantacci, and D. Maffucci
"A New Speech Signal Scrambling Method for Secure Communications," IEEE Journal on Selected Areas Communication, May 1989, pp. 474-480.

Key Words: methods, techniques.

DEN-80
Denning, D.E., and F.B. Schneider
"The Master Key Problem," Proc. 1980 IEEE Symp. on Security & Privacy, (5: IEE-80), pp. 103-107.

Key Words: crypto, keys, management.

DEN-83
Denning, D.E.
"Protecting Public Keys and Signatures," IEEE Computer, February 1983, pp. 27-35.

Key Words: crypto, keys, methods.

DES-83
Desmedt, Y., J. P. Vandewalle, and R.J.M. Govaerts,
"Does Public-Key Cryptography Provide a Practical and Secure Protection of Data Storage and Transmission?," Proc., Internat. Carnahan Conf. on Sec. Technology, 1983, pp. 133-139.

Key Words: threats, crypto, methods.

DIF-85
Diffie, W.
"Security for the DoD Transmission Control Protocol," Proc. Eurocrypt '85, Linz, Austria, 1985, (9: PIC-86), pp. 108-127.

Key Words: network, protocols, case.

DOD-85
Proceedings, DoD Computer Security Center Invitational Workshop on Network Security, Ft. Meade, MD, March 1985.

Key Words: proceedings, network.

DOL-82
Dolev, D., and A. Wigderson
"On the Security of Multi-Party Protocols in Distributed Systems," Proc. Crypto-82, Santa Barbara, CA, 1982, (9: CHA-83b), pp. 167-175.

Key Words: distributed, protocols.

DON-84
Donaldson, A.
"A Multilevel Secure Local Area Network," Proc. 7th Seminar, DoD Comp. Sec. Progr., (5: DOD-84), 1984, pp. 341-350.

Key Words: MLS, LAN, deasign, case.

DON-88
Donaldson, A.L., J. McHugh, and K.A. Nyberg
"Covert Channels in Trusted LANs," Proc. 11th Natl. Comp. Sec.Conf., (5: NCS-88), 1988, pp. 226-232.

Key Words: trusted, LAN, threats.

DUF-86
Duffy, K.J., and J. Sullivan
"Integrity Lock Prototype," Proc. IFIP/Sec. '86, Monte Carlo, 1986, (2: GRI-89).

Key Words: techniques, design, case.

EGG-88
Eggers, K.W., and P.W. Mallett
"Characterizing Network Covert Storage Channels," Proc. 4th Aerosp. Comp. Sec. Conf., (4: IEE-88b), 1988, pp. 275-279.

Key Words: network, threat, models.

ERD-86
Erdem, H.
"Host Cryptographic Operations: A Software Implementation," Computers & Security, December 1986, pp. 344-346.

Key Words: crypto, design.

EST-85
Estrin, D.
"Non-Discretionary Controls for Inter-Organization Networks," Proc. 1985 IEEE Symp. on Sec. & Privacy, (5: IEE-85), pp. 56-61

Key Words: networks, control, methods.

EST-87
Estrin, D., and G. Tsudik
"Visa Scheme for Inter-Organization Network Security," Proc. 1987 IEEE Symp. on Sec. & Privacy, (5: IEE-87a), pp. 174-183.

Key Words: network, methods, case.

EST-89
Estrin, D., J. Mogul, and G. Tsudik
"Visa Protocols for Controlling Interorganizational Datagram Flow," IEEE Journal. on Selected Areas Communication, May 1989, pp. 486-498.

Key Words: network, protocols, control, methods.

FAI-84
Fairfield, R.C., A. Matusevich, and J.Plany
"An LSI Digital Encryption Processor (DEP)," Proc. Crypto '84, Santa Barbara, CA, 1984, (8: BLA-84a), pp. 115-143.

Key Words: crypto, hardware, case.

FAK-86
Fak, V.
"How to Choose Good Cryptographic Protection," Proc. IFIP/Sec. '86, Monte Carlo, 1986, (2: GRI-89).

Key Words: crypto, guidelines.

FAK-87
Fak, V.
"Crypto Management Made Manageable: Demands on Crypto Equipment Design," Computers & Security, February 1987, pp. 36-40.

Key Words: crypto, design,

FAM-83
Fam, B.W., and J.K. Millen "The Channel Asssignment Problem," Proc. 1983 IEEE Symp. on Sec. & Privacy, (5: IEE-83a), pp. 107-112.

Key Words: model, methods.

FAU-86
Faurer, L. "Security Issues in Open System Context," Computer Security Journal, Vol. 4, No. 1, 1986, pp. 55-62.

Key Words: OSI, design, methods.

FEL-89
Feldmeier, D.C, and P.R. Karn "Cracking Passwords for Fun and Profit," Proc. Crypto '89, Santa Barbara, CA, (8: BRA-90), 1989.

Key Words: threats, control.

FEN-85
Fenna, E. "Data Encryption Protocols for Electronic Mail," ACM Sec., Audit & Control Rev., Winter 1985, pp. 43-47.

Key Words: EM, crypto, protocols.

FER-87
Fernandez, C., et al. "Automating the Computation of Authenticators for Interbank Telex Messages," Computers & Security, October 1987, pp. 396-402.

Key Words: authentication, case.

FIA-89
Fiat, A. "Batch RSA," Proc. Crypto '89, Santa Barbara, CA, (8: BRA-90), 1989.

Key Words: RSA, design, case.

FIC-84
Fick, G.P. "Implementation Issues for Master Key Distribution and Protected Keyload Procedures," Proc. IFIP/Sec. '84, Toronto, 1984, (2: FIN-85), pp. 571-580.

Key Words: crypto, keys, design.

FID-85
Fidlow, D. "A Comprehensive Approach to Network Security," Data Communication, April 1985, pp. 195-213.

Key Words: networks, general.

FIS-84
Fisher, W.W. "Cryptography for Computer Security: Making the Decision," Computers & Security, October 1984, pp. 229-233.

Key Words: crypto, design.

FIT-80
Fitzgerald, J. "Data Communications Control Matrix," Assets Protection, Sept./Oct. 1980, pp.24-31.

Key Words: control, methods.

FIT-89
Fitzgerald, K. "The Quest for Intruder-Proof Computer Systems," IEEE Spectrum, August 1989, pp. 22-26.

Key Words: threats, methods.

FRI-88
Friedberg, A.H., et al. "Reliance on Optical Fibres to Increase Telecommunications Security," Information Age, (U.K.) April 1988, pp. 73-78.

Key Words: physical, methods.

GAI-80
Gait, J. Maintenance Testing for the Data Encryption Standard, SP 500-61, National Bureau of Standards, Gaithersburg, MD, August 1980.

Key Words: DES, management.

GAL-87
Galil, Z., S. Haber, and M. Yung "Cryptographic Computation: Secure Fault-Tolerant Protocols and the Public-Key Model," Proc. Crypto '87, Santa Barbara, CA, 1987, (8: POM-88), pp. 135-155.

Key Words: crypto, protocols.

GAS-82
Gasser, M., and D.P. Sindhu "A Multilevel Secure Local Area Network," Proc. 1982 IEEE Symp. on Sec. & Privacy, (5: IEE-82), pp. 137-143.

Key Words: MLS, LAN, design.

GIR-87
Girling, C.G. "Covert Channels in LANs," IEEE Trans. on Software Engr., February 1987, pp. 292-296.

Key Words: LAN, threats.

GOY-88
Goyal, P.K., and E.B. Fernandez "Encryption Using Random Keys: A Scheme for Secure Communication," Proc. 4th Aerosp. Comp. Sec. Conf., (4: IEE-88b), 1988, pp. 410-412.

Key Words: crypto, techniques.

GRA-87
Grant, L.
"DES Key Crunching for Safer Cipher Keys," ACM Sec., Audit & Control Rev., Spring 1987, pp. 9-16.

Key Words: DES, keys, techniques.

GRA-88
Graham, I., and S. Wieten
"The PC as a Secure Network Workstation," Proc. IFIP/Sec. '88, Australia, 1989, (2: CAE-89), pp. 425-437.

Key Words: PC, methods, case.

GRE-85
Greenlee, M.B.
"Requirements for Key Management Protocols in the Wholesale Financial Services Industry," IEEE Communications Magazine, September 1985, pp. 22-28.

Key Words: requirements, crypto, keys, management, case.

GRI-89
Grimm,P.
"Security on Networks: Do We Really Need It?," Comp. Networks and ISDN Systems, October 1989, pp. 315.

Key Words: requirements, networks.

GRO-82
Grossman, G.
"A Practical Executive for Secure Communications," Proc. 1982 IEEE Symp. on Sec. & Privacy, (5: IEE-82), pp. 144-155.

Key Words: OS, networks, case.

GSA-82
Telecommunications: General Security Requirements for Equipment Using the Data Encryption Standard, Federal Standard 1027, U.S. General Services Administation Washington, DC, April 1982.

Key Words: DES, crypto, standards.

GSA-83
Telecommunications: Interoperability and Security Requirements for Use of the Data Encryption Standard in the Physical and Data Link Layers of Data Communication, Federal Standard 1026, U.S. General Services Administration Washington, DC, January 1983.

Key Words: DES, crypto, standards.

GSA-85
Interoperability and Security Requirements for Using the Data Encryption Standard with CCITT Group 3 Facsimile Equipment. Federal Standard 1027, U.S. General Services Administration Washington, DC, April 1985.

Key Words: DES, crypto, standards.

GUI-82
Guillou, L.C., and B. Lorig
"Cryptography and Teleinformatics," Computers & Security, January 1982, pp. 27-33.

Key Words: crypto, general.

GUI-86
Guillou, L.C.
"Smart Card -- A Highly Reliable and Portable Security Device," Proc. Crypto '86, Santa Barbara, CA, 1986, (8: ODL-87), pp. 464-487.

Key Words: authenication,

GUI-88
Guinier, D.
"DSPP: A Data Security Pipe Protocol for PCs, Large Scale Systems, or Networks," ACM Sec., Audit & Control Rev., Fall 1988, pp. 4-9.

Key Words: PC, network, protocol.

GUI-88a
Guinier, D.
"SPKS: Sharing Partial Key System," ACM Sec., Audit & Control Rev., Fall 1988, pp. 10-13.

Key Words: crypto, key, case.

HAR-89
Harn, L. and T. Keisler
"Authenticated Group Key Distribution Scheme for a Large Network," Proc. 1989 IEEE Symp. on Sec.& Privacy, (5: IEE-89b), pp. 300-309.

Key Words: crypto, keys, methods.

HAR-89a
Harn, L., Y. Chien, and T. Keisler
"An Extended Cryptographic Key Generation Scheme for Multilevel Data Security," Proc. 5th Security Applicat. Conf., (4: IEE-89c), 1989, pp. 254-262.

Key Words: crypto, keys, methods.

HAS-85
Hastad, J.
"On Using RSA with Low Exponent in a Public Key Network," Proc. Crypto '85, Santa Barbara, CA, 1985, (8: WIL-86), pp. 403-408.

Key Words: RSA, crypto, design.

HER-85
Herzberger, A., and S.S. Pinter "Public Protection of Software," Proc. Crypto '85, Santa Barbara, CA, 1985, (8: WIL-86), pp. 159-179.

Key Words: crypto, methods, software.

HER-87
Herlihy, M.P., and J.D. Tygar "How to Make Replicated Data Secure," Proc. Crypto '87, Santa Barbara, CA, 1987, (9: POM-88), pp. 379-391.

Key Words: crypto, methods.

HER-88
Herbison, B.J. "Security on an Ethernet," Proc. 11th Natl. Comp. Sec. Conf., (5: NCS-88), 1988, pp. 219-225.

Key Words: LAN, methods, case.

HIG-88
Highland, H.J. "How Secure Are Fiber Optics Communications," Computers & Security, February 1988, pp. 25-26.

Key Words: threats, hardware, techniques.

HIG-88a
Highland, H.J. "Secret Disk II -- Transparent Automatic Encryption," Computers & Security, February 1988, pp. 27-34.

Key Words: PC, crypto, methods.

HIN-83
Hinke, T., J. Althouse, and R.A. Kemmerer "SDC Secure Release Terminal Project," Proc. 1983 IEEE Symp. on Sec. & Privacy, (5: IEE-83a), pp. 113-119.

Key Words: hardware, design, case.

HOO-84
Hoornaert, F., et al. "Efficient Hardware Implementation of the DES," Proc. Crypto '84, Santa Barbara, CA, 1984, (8: BLA-84a), pp. 147-173.

Key Words: DES, crypto, hardware.

HOO-88
Hoornaert, F., et al. "Fast RSA-Hardware: Dream or Reality," Proc. Eurocrypt '88, Davos, 1988, (8: GUN-89), pp. 455-467.

Key Words: RSA, crypto, hardware.

HOU-89
Housley, R. "Authentication, Confidentiality, and Integrity Extensions to the XNS Protocol Suite," ACM Sec., Audit & Control Rev., Fall 1989, pp. 17-24.

Key Words: authentication, case, methods, protocols.

HUM-80
Humprey, T., and F.L. Toth "Two-Chip Data Encryption Unit Supports Multi-Key Systems," Electronics, January 17, 1980, pp. 136-139.

Key Words: crypto, hardware.

ING-83
Ingemarsson, I. "A Comparison Between Public-Key and Conventional Encryption Methods," Proc. IFIP/Sec. '83, Stockholm, 1983, (2: FAK-83), pp. 229-232.

Key Words: crypto, techniques.

ING-84
Ingemarsson, I. "Encryption for Data Protection," Information Resource Management, (UK), March 1984, pp. 29-32.

Key Words: crypto, general.

JAC-89
Jacobs, J. and T. Kibalo "Secure Data Network System Support Using Embedded Cryptography," Proc., 2nd Annual AFCEA Intelligence Symposium, September 1987.

Key Words: crypto, methods.

JAM-88
Jamieson, R., and G. Low "A Framework for the Security, Control and Audit of a Local Area Network Operations," Proc. IFIP/Sec. '88, Australia, 1989, (2: CAE-89), pp. 439-469.

Key Words: LAN, auditing, case.

JAM-89
Jamieson, R., and G. Low "Security and Control Issues in Local Area Network Design," Computers & Security, June 1989, pp. 305-316.

Key Words: LAN, design, control.

JAN-86
Jansen, C.J.A. "On the Key Storage Requirements for Secure Terminals," Computers & Security, June 1986, pp. 145-149.

Key Words: PC, crypto, keys.

JAY-82
Jayant, N.S. "Analog Scramblers for Speech Privacy," Computers & Security, November 1982, pp. 275-289.

Key Words: methods, hardware.

JEN-87
Jeng, A.B., and M.D. Abrams "On Network Covert Channel Analysis," AIIA No. 87-3081, Proc. 3d Aerosp. Comp. Sec. Conf., (5: IEE-87b), 1987, pp. 95-103.

Key Words: threats, network.

JOH-87
Johnson, H.L., and J.D. Layne
"A Mission-Critical Approach to Network Security," Proc. 10th Natl. Comp. Sec. Conf., (5: NCS-87a), 1987, pp. 15-24.

Key Words: requirements, network.

JOH-87a
Johnson, R.J.
"Key Updating Flags in EFT-POS Security Systems," Computers & Security, June 1987, pp. 245-251.

Key Words: crypto, keys, case.

JON-84
Jones, R.W.
"User Functions for the Generation and Distribution of Encipherment Keys," Proc. Eurocrypt '84, Paris, 1984, (8: BET-85), pp. 317-334.

Key Words: crypto, keys, methods.

JON-89
Jonckheer, K., and M. Scarbrough
"Security of Data Transmitted Via Telephone, Fibre Optics, and Microwaves," Information Age, (U.K.), March 1989, pp. 99-105.

Key Words: physical, techniques.

JUE-85
Jueneman, R.R., C.H. Meyer, and S.M. Matyas
"Message Authentication," IEEE Communications Magazine, September 1985, pp. 29-40.

Key Words: authentication, methods.

JUN-87
Jung, A.
"Implementing the RSA Cryptosystem," Computers & Security, August 1987, pp. 342-350.

Key Words: RSA, crypto, methods.

KAK-83
Kak, S.C.
"Data Security in Computer Networks," IEEE Computer, February 1983, pp. 8-10.

Key Words: network, general.

KAR-86
Karger, P.A.
"Authentication and Access Control in Computer Networks," Computers & Security, December 1986, pp. 314-324.

Key Words: network, control.

KAR-88
Karp, B.C., L.C. Baker, and L.D. Nelson
"The Secure Data Network," AT&T Technical Journal, May/June 1988.

Key Words: network, general.

KAT-88
Katzer, M.A.
"Secured Communications for. PC Workstations," Proc. 11th Natl. Comp. Sec. Conf., (5: NCS-88), 1988, pp. 233-237.

Key Words: PC, methods, design.

KEM-87
Kemmerer, R.A.
"Using Formal Verification Techniques To Analyze Encryption Protocols" Proc. 1987 IEEE Symp. Sec. &. Privacy, (5:IEE-87a), pp. 134-139.

Key Words: verification, crypto, protocols, techniques.

KEM-87a
Kemmerer, R.A.
"Analyzing Encryption Protocols Using Formal Verification Techniques," Proc. Crypto '87, Santa Barbara, CA, 1987, (9: POM-88), pp. 289-305.

Key Words: verification, crypto, protocols, techniques.

KEM-89
Kemmerer, R.A.
"Analyzing Encryption Protocols Using Formal Verification Techniques," IEEE Journal on Selected Areas Communication, May 1989, pp. 448-457.

Key Words: verification, crypto, protocols, techniques.

KEN-81
Kent, S.T.
"Security Requirements and Protocols for Broadcast Scenario," IEEE Trans. on Communications, June 1981, pp. 778-786.

Key Words: requirements, network, protocols.

KEN-89
Kent, S.T.
"Comments on Security Problems in the TCP/IP Protocol Suite," ACM Computer Communications Review, July 1989, pp. 10-19.

Key Words: threats, protocols.

KHA-89
Khashnabish, B.
"A Bound of Deception Capability in Multiuser Computer Networks," IEEE J. on Selected Areas Comm., May 1989, pp. 4590-594.

Key Words: threats, network.

KIL-88
Kilpatrick, K.E.
"Standards for Network Security," Proc. 11th Natl. Comp. Sec. Conf., (5: NCS-88), 1988, pp. 201-211.

Key Words: network, standards.

KIN-89
King, G.
"A Survey of Commercially Available Secure LAN Products," Proc. 5th Security Applicat. Conf., (5: IEE-89c), 1989, pp. 239-247.

Key Words: LAN, hardware, software.

KNA-88
Knapskog, S.J.
"Privacy Protected Payments -- Realization of a Protocol that Guarantees Payer Anonymity," Proc. Eurocrypt '88, Davos, 1988 (8: GUN-89), pp. 107-122.

Key Words: protocols, case.

KNO-88
Knobloch, H.-J.
"A Smart Card Implementation of the Fiat-Shamir Identification Scheme," Proc. Eurocrypt '88, Davos, 1988 (8: GUN-89), pp. 87-95.

Key Words: authentication, case.

KNO-88a
Knowles, T.
"Security, OSI and Distributed Systems," Information Age (U.K.), April 1988, pp. 79-84.

Key Words: OSI, network, methods.

KOC-85
Kochanski, M.
"Developing an RSA Chip," Proc. Crypto '85, Santa Barbara, CA, 1985, (8: WIL-86), pp. 350-357.

Key Words: RSA, crypto, hardware.

KOC-87
Kochanski, M.,
"A Survey of Data Insecurity Packages," Cryptologia, January 1987, pp. 1-15.

Key Words: crypto, software, case.

KOC-88
Kochanski, M.
"Another Data Insecurity Package," Cryptologia, July 1988, pp. 165-173.

Key Words: crypto, software, case.

KOH-89
Kohl, J.T.
"Cryptographic Protocols in Cerberus," Proc. Crypto '89, Santa Barbara, CA, (8: BRA-90), 1989.

Key Words: crypto, protocols, case.

KRA-84
Krauss, L.
"Data Encryption in ISO, the International Standards Organization," Computers & Security, October 1984, pp. 234-236.

Key Words: crypto, standards, case.

KRI-85
Krivachy, T.
"The Ciphercard -- an Identification Card with Cryptographic Protection," Proc. Eurocrypt '85, Linz, 1985, (8: PIC-86), pp. 200-207.

Key Words: crypto, control, case.

KRU-89
Kruys, J.P.
"Security in Open Systems," Computers & Security, April 1989, pp. 139-147.

Key Words: OSI, network, general.

LAM-88
Lambert, P.A.
"Architectural Model of the SDNS Key Management Protocol," Proc. 11th Natl. Comp. Sec. Conf., (5: NCS-88), 1988, pp. 126-128.

Key Words: crypto, protocol, keys.

LEM-86
Lemire, J.R.
"A New Key Management Approach for Open Communication Environments," Proc. IFIP/Sec. '86, Monte Carlo, 1986, (2: GRI-89).

Key Words: crypto, keys, management.

LER-84
Le Roux, Y.
"Controlling Access to Computer Networks," Information Resource Management, (UK), March 1984, 26-28.

Key Words: control, network.

LIN-83
Linden, C.
"The Transaction-Seal -- The New Corner-Stone in Secured Terminal Systems," Proc. IFIP/Sec. '83, Stockholm, 1983, (2: FAK-83), pp. 223-227.

Key Words: authentication.

LIN-87
Linn, J.
"SDNS Products in the Type II Environment," Proc. 10th Natl. Comp. Sec. Conf., (5: NCS-87a), 1987, pp. 162-164.

Key Words: network, techniques.

LIN-88
Linn, J.
"COMSEC Integration Alternatives," Proc. 11th Natl. Comp. Sec. Conf., (5: NCS-88), 1988, pp. 122-125.

Key Words: methods, techniques.

LIN-89
Linn, J. and S.T. Kent
"Privacy for DARPA-Internet Mail," Proc. 12th Natl. Comp. Sec. Conf., (5: NCS-89), 1989, pp. 215-229.

Key Words: EM, network, methods.

LIP-88
Lipper, E.H., et al.
"A Multilevel Secure Message Switch with Minimal TCB: Architectural Outline and Security Analysis," Proc. 4th Aerosp. Comp. Sec. Conf., (5: IEE-88b), 1988, pp. 242-249.

Key Words: MLS, methods, design.

LOC-87
Loscocco, P.
"A Security Model and Policy for a MLS LAN," Proc. 10th Natl. Comp. Sec. Conf., (5: NCS-87a), 1987, pp. 25-37.

Key Words: MLS, LAN, models.

LOM-89
Lomas, T., et al.
"Reducing Risks from Poorly Chosen Keys," ACM Operating System Review, Vol. 23, No. 5, 1989, pp. 14-18.

Key Words: threats, methods, keys.

LON-83
Longo, G. (Ed.)
Secure Digital Systems, Springer-Verlag, Wien, 1983.

Key Words: book, general, methods.

LON-86
Longley, D., and S. Rigby
"Use of Expert Systems in the Analysis of Key Management Systems," Proc. IFIP/Sec. '86, Monte Carlo, 1986, (2: GRI-89).

Key Words: crypto, keys, methods.

LON-87
Longley, D.
"Expert Systems Applied to the Analysis of Key Mangement Schemes," Computers & Security, February 1987, pp. 54-67.

Key Words: crypto, keys, methods.

LOS-89
Loscocco, P.
"A Dynamic Network Labeling Scheme for a MLS LAN," Proc. 12th Natl. Comp. Sec. Conf., (5: NCS-89), 1989, pp. 277-285.

Key Words: MLS, LAN, methods.

LUB-89
Luby, M., and C. Rackoff
"A Study of Password Security," Journal of Cryptology, Vol. 1, No. 3, 1989, pp. 151-158.

Key Words: control, methods.

MAC-81
MacMillan, D.
"Single Chip Encrypts Data at 14 MB/S," Electronics, June 16, 1981, pp. 161-166.

Key Words: DES, hardware.

MAC-83
MacKinnon, S., and S.G. Akl
"New Key Generation Algorithms for Multilevel Security," Proc. 1983 IEEE Symp. Sec. & Privacy, (5:IEE-83a), pp. 72-78.

Key Words: MLS, crypto, keys.

MAC-84
MacEwen, G.H., et al.
"Multi-Level Security Based on Physical Distribution" Proc. 1984 IEEE Symp. Sec. & Privacy, (5:IEE-84), pp. 167-179.

Key Words: MLS, physical, methods.

MAR-89
Marino, J. and P. Lambert
"An INFOSEC Platform," Proc. 12th Natl. Comp. Sec. Conf., (5: NCS-89), 1989, pp. 571-578.

Key Words: hardware, case.

MAR-89a
Marella, A., Jr.
"Telecommunications: A Control Strategy," EDPACS, May 1989, pp. 1-5.

Key Words: control, methods.

MAS-84
Masrani, R., and T.P. Keenan
"Security and Privacy in Cellular Telephone System," Proc. IFIP/Sec. '84, Toronto, 1984, (2: FIN-85), pp. 457-470.

Key Words: methods, case.

MAS-86
Massey, J.L.
"Cryptography--A Selective Survey," Digital Communications, January 1986, pp. 3-21.

Key Words: crypto, general.

MAT-87
Matsumoto, T., and H. Imai
"On the Key Predistribution System: A Practical Solution to the Key Distribution Problem," Proc. Crypto '87, Santa Barbara, CA, 1987, (8: POM-88), pp. 185-193.

Key Words: crypto, keys, methods.

MAT-87a
Matias, Y., and A. Shamir
"A Video Scrambling Technique Based On Space Filling Curves," Proc. Crypto '87, Santa Barbara, CA, 1987, (8: POM-88), pp. 398-417.

Key Words: techniques, physical.

MAY-89
Mayer, F. et al.
"Evaluation Issues for an Integrated 'INFOSEC' Product," Proc. 5th Security Applicat. Conf., (4: IEE-89c), 1989, pp. 271-275.

Key Words: methods, case.

MCC-89
McCullough, D.
"Security Analysis of a Token Ring Using Ulysses," Proc. COMPASS '89: Comp. Assurance, (2: IEE-89), 1989, pp. 113-118.

Key Words: LAN, threat, methods.

MEA-89
Meadows, C.
"Using Narrowing in the Analysis of Key Management Protocols," Proc. 1989 IEEE Symp. Sec. & Privacy, (5:IEE-89b), pp. 138-147.

Key Words: crypto, protocols, keys.

MEN-83
Menkus, B.
"Long-Haul Data Security: Whose Responsibility Is It Today?," Data Communications, March 1983, pp. 137+

Key Words: network, management.

MER-81
Merkle, R.C., and M.E. Hellman
"On the Security of Multiple Encryption," Communications of the ACM, July 1981, pp. 465-467.

Key Words: crypto, methods.

MER-82
Merritt, M.
"Key Reconstruction," Proc. Crypto-82, Santa Barbara, CA, 1982, (8: CHA-83b), pp. 321-375.

Key Words: crypto, keys, methods.

MEY-81
Meyer, C.H., S.M. Matyas, and R.E. Lennon
"Required Cryptographic Authentication Criteria for Electronic Funds Transfer Systems," Proc. 1981 IEEE Symp. on Sec. & Privacy, (5: IEE-81), pp. 89-98.

Key Words: crypto, athentication.

MIG-89
Migues, S., and R. Housely
"Designin a Trusted Client-Server Distributed Network," Proc. 5th Sec. Applicat. Conf., (5: IEE-89c), 1989, pp. 91-94.

Key Words: trusted, network.

MIL-81
Miller, J.S., and R.G. Resnick
"Military Message Systems: Applying a Security Model," Proc. 1981 IEEE Symp. Sec. & Privacy, (5:IEE-81), pp. 101-111.

Key Words: EM, models, methods.

MIL-84
Millen, J.K.
"The Interrogator: A Tool for Cryptographic Protocol Security," Proc. 1984 IEEE Symp. Sec. & Privacy, (5:IEE-84), pp. 134-141.

Key Words: crypto, protocols.

MIL-87
Millen, J.K., S.C. Clark, and S.B. Freedman
"The Interrogator: Protocol Security Analysis," IEEE Trans. of Software Engr., February 1987, pp. 274-288.

Key Words: protocol, design.

MIL-87a
Millen, J.K.
"Interconnection of Accredited Systems," Proc. 3d Aerosp. Comp. Sec. Conf., (5:IEE-87b), 1987, pp. 60-65.

Key Words: network, design.

MIL-88
Millen, J.K., and M.W. Schwartz
"The Cascading Problem for Interconnected Networks," Proc. 4th Aerosp. Comp. Sec. Conf., (4: IEE-88b), 1988, pp. 269-274.

Key Words: network, design.

MIT-87
Mitchell, C., and F. Piper
"The Cost of Reducing Key-Storage Requirements in Secure Networks," Computers & Security, August 1987, pp. 339-341.

Key Words: crypto, keys, network.

MIT-88
Mitchell, C., and M. Walker
"Solutions to the Multidestinational Secure Electronic Mail Problem," Computers & Security, October 1988, pp. 483-488.

Key Words: EM, design, methods.

MIT-89

Mitchell, C., D. Rush, and M. Walker "A Remark on Hash Functions for Message Authentication," Computers & Security, February 1989, pp. 55-58.

Key Words: EM, authentication.

MIT-89a

Mitchell, C., M. Walker, and D. Rush "CCITT/ISO Standards for Secure Message Handling," IEEE J. on Selected Areas Comm., May 1989, pp. 517-524.

Key Words: EM, standards, case.

MOO-88

Moore, J.H. "Protocol Failures in Cryptosystems," Proceedings of the IEEE, May 1988, pp. 594-602.

Key Words: crypto, protocols.

MOO-88a

Moore, A. "Investigating Formal Specification and Verification for COMSEC Software Security," Proc. 11th Natl. Comp. Sec. Conf., (5: NCS-88), 1988, pp. 129-138.

Key Words: verification, software.

MOU-83

Moulton, R.T. "Network Security," Datamation, July 1983, pp. 121+

Key Words: network, general.

MUE-82

Mueller-Schloer, C., and N.R. Wagner "Cryptographic Protection of Personal Data Cards," Proc. Crypto-82, Santa Barbara, CA, 1982, (8: CHA-83b), pp. 219-229.

Key Words: crypto, methods.

MUF-88

Muftic, S., et al. Security Mechanisms for Computer Networks, Ellis-Horwood, Chichester, U.K., 1988.

Key Words: book, network, methods.

MUF-89

Muftic, S. Security Mechanisms for Computer Networks, J. Wiley & Sons, Somerset, NJ, 1989.

Key Words: book, network, methods.

MUF-89a

Muftic, S. "Extended OSI Security Architecture," Computer Networks and ISDN Systems, September 1989, pp. 223-227.

Key Words: OSI, network, methods.

MUL-83

Muller-Scloer, C. "A Microprocessor-Based Cryptoprocessor," IEEE Micro, October 1983, pp. 5-15.

Key Words: PC, crypto, hardware.

MUN-87

Mundy, G.R., and R.W. Shirey "Defense Data Network Security Architecture," Proceedings, MILCOM '87, October 1987.

Key Words: network, design, case.

MUR-87

Good Security Practices for Information Networks, G320-9279-2, IBM Corporation, White Plains, NY, 1987.

Key Words: network, methods guidelines.

NAK-89

Nakao, K., and K. Suzuki "Proposal on a Secure Communications Service Element (SCSE) in the OSI Application Layer," IEEE Journal on Selected Areas Communication, May 1989, pp. 505-516.

Key Words: OSI, network, methods.

NBS-80

Guidelines on the User Authentication for Computer Network Access Control, FIPS PUB 83, National Bureau of Standards, Gaithersburg, MD, September 1980.

Key Words: guidelines, network,

NBS-80a

DES Modes of Operation, FIPS PUB 81, National Bureau of Standards, Gaithersburg, MD, September 1980.

Key Words: DES, methods.

NBS-81

Guidelines for Implementing and Using the NBS Data Encryption Standard, FIPS-PUB 74, National Bureau of Standards, Gaithersburg, MD, April 1981.

Key Words: DES, guidelines.

NCS-87

Trusted Network Interpretation of the Trusted Computer System Evaluation Criteria, NCSC-TG-005, Natl. Computer Security Center, Ft. Meade, MD, July 1987.

Key Words: trusted, network, criteria, guidelines.

NEL-87
Nelson, R.
"SDNS Services and Architecture," Proc. 10th Natl. Comp. Sec. Conf., (5: NCS-87a), 1987, pp. 153-157.

Key Words: network, methods, case.

NEL-89
Nelson, R.
"SDNS Architecture and End-to-End Encryption," Proc. Crypto '89, Santa Barbara, CA, (8: BRA-90), 1989.

Key Words: crypto, network.

NES-83
Nesset, D.M.
"A Systematic Methodology for Analyzing Security Threats to Interprocessor Communications in a Distributed System," IEEE Trans. on Communications, September 1983.

Key Words: threats, network.

NES-84
Nestman, C.H., J. Windsor, and M.C. Hinson
"Tutorial on Telecommunications and Security," Computers & Security, October 1984, pp. 215-224.

Key Words: techniques, general.

NES-87
Nesset, D.M.
"Factors Affecting Distributed System Security," IEEE Trans. on Software Engr., February 1987, pp. 233-248.

Key Words: design, network.

NES-89
Nesset, D.M.
"Layering Central Authentication on Existing Distributed System Terminal Services," Proc. 1989 IEEE Symp. Sec. & Privacy, (5:IEE-89b), pp. 290-299.

Key Words: authentication, design.

NES-89a
Nesset, D.M.
"Issues in Secure Distributed Operating System Design," Digest of Papers, IEEE Compcon '89, 1989, pp. 342-347.

Key Words: OS, methods, design.

NEW-86
Newman, D.B., and R.L. Pickholtz
"Cryptography in the Private Sector," IEEE Communications Magzine, August 1986, pp. 7-10.

Key Words: crypto, general.

NEW-87
Newman, D.B., Jr., J.K. Omura, and R.L. Pickholz
"Public Key Management for Network Security," IEEE Networks Magazine, April 1987, pp. 11-16.

Key Words: crypto, keys, network.

NIE-89
Niemeyer, R.
"Applying the TNI to System Certification and Accreditation," Proc. 5th Security Applicat. Conf., (5: IEE-89c), 1989, pp. 248-252.

Key Words: network, criteria, case.

NYE-82
Nye, J.M.
"The Cryptographic Equipment Market: Trends and Issues," Assets Protection, Jan./Feb. 1982, pp, 21-24.

Key Words: crypto, hardware, case.

NYE-82a
Nye, J.M.
"Satellite Communications and Vulnerability," Computerworld, May 3, 1982, pp. ID7-ID13.

Key Words: vulnerabilities, case.

NYE-83
Nye, J.M.
"Network Security and Vulnerability," Proc. 1983 Natl. Computer Conf., AFIPS Press, Reston VA, May 1983, pp. 647-653.

Key Words: vulnerabilities.

OBE-83
Oberman, M.R.
"Some Security Aspects of a Computer Communications Network Environment," Proc. IFIP/Sec. '83, Stockholm, 1983, (2: FAK-83), pp. 233-238.

Key Words: network, methods.

ODE-85
O'Dell, L.L.
"An Approach to Multi-Level Secure Networks, Revision 1," Proc. 8th Natl. Comp. Sec. Conf., (5: NCS-85), 1985, pp. 152-155.

Key Words: MLS, network, design.

OKA-89
Okamoto, E., and K. Tanaka
"Key Distribution System Based on Identification Information," IEEE Journal on Selected Areas Communication, May 1989, pp. 481-485.

Key Words: crypto, keys, design.

OMA-83

Omar, K.A., and D.L. Wells, "Modified Architecture for the Sub-Key Model," Proc. 1983 IEEE Symp. Sec. & Privacy, (5:IEE-83a), pp. 79-86.

Key Words: architecture, keys.

ORT-86

Orton, G.A., et al. "VLSI Implementation of Public-Key Algorithms," Proc. Crypto '86, Santa Barbara, CA, 1986, (8: ODL-87), pp. 277-301.

Key Words: public-key, hardware.

OZA-84

Ozarow, L.H., and A.D. Wyner "Wire-Tap Channel II," Proc. Eurocrypt '84, Paris, 1984, (8: BET-85), pp. 33-50.

Key Words: threats, methods.

PAI-86

Pailles, J.-C., and M. Girault "The Security Processor CRIPT," Proc. IFIP/Sec. '86, Monte Carlo, 1986, (2: GRI-89), pp. 127-139.

Key Words: techniques, hardware.

PAR-87

Parker, T.A. "Security in Open Systems: A Report on the Standards Work of ECMA's TC32/TG9," Proc. 10th Natl. Comp. Sec. Conf., (5: NCS-87a), 1987, pp. 38-50.

Key Words: OSI, network, standards.

PIE-85

Pieprzyk, J.P., and D.A. Rutkowski "Modular Design of Information Encipherment for Computer Systems," Computers & Security, September 1985, pp. 211-218.

Key Words: crypto, design, methods.

POL-84

Pollak, R. "Micro-Mainframe Communications Security in Distributed Network Environment," ACM Sec., Audit. & Control Rev., October 1984, pp. A1-A6.

Key Words: PC, network, methods.

POW-85

Power, J.M., and S.R. Wilbur "Authentication in an Heterogenous Environment," Proc. IFIP/Sec. '85, Dublin, 1985, (2: GRI-85), pp. 117-127.

Key Words: authentication.

POW-88

Powanda, E.J., and J.W. Genovese "Configuring a Trusted System Using the TNI," Proc. 4th Aerosp. Comp. Sec. Conf., (4: IEE-88b), 1988, pp. 256-261.

Key Words: trusted, network, criteria.

PRE-87

Presttun, K. "Integrating Cryptography in ISDN," Proc. Crypto '87, Santa Barbara, 1987, (8: POM-88), pp. 9-18, 1988

Key Words: crypto, network.

PRE-89

Press, I. "Software Dase Encryption for Local Area Networks," Computer Networks and ISDN Systems, September 1989, pp. 187-192.

Key Words: Local Area Networks.

PRI-83

Price, W.L. "Key Management for Data Encipherment," Proc. IFIP/Sec. '83, Stockholm, 1983, (2: FAK-83), pp. 205-215.

Key Words:

RAM-89

Ramaswamy, R. "A Scheme for Providing Security Services on Transport Layer in Open System Interconnection Architectures," Proc. Internat. Conf. on Comp. & Information, ICCI'89, May 1989.

Key Words: OSI, methods, design.

RAM-89a

Ramaswamy, R. "Placement of Data Integrity Security Services in Open Systems Interconnection Architecture," Computers & Security, October 1989, pp. 507-516.

Key Words: OSI, methods, design.

RAM-89b

Ramaswamy, R. "Security Architecture for Data Transfer Through TCP/IP Protocols," Computers & Security, December 1989, pp. 709-719.

Key Words: network, protocols, case.

RAS-85
Rasmussen, O.S.
"Communications and Network Protection: Practical Experience," Proc. IFIP/Sec. '85, Dublin, 1985, (2: GRI-85), pp. 107-115.

Key Words: network, methods, case.

RIH-83
Rihaczek, H., and L. Krause
"Data Encipherment Requirements Federal Republic of Germany," Information Age (UK), April 1983, pp. 91-96.

Key Words: requirements, crypto.

RIH-87
Rihaczek, K.
"TeleTrusT-OSIS and Communication Security," Computers & Security, June 1987, pp. 206-218.

Key Words: OSI, methods, case.

RIV-80
Rivest, R.L.
"A Description of Single-Chip Implementation of RSA Cipher," Lambda, Fourth Quarter, 1980, pp. 14-18.

Key Words: RSA, crypto, hardware.

RIV-84
Rivest, R.L.
"RSA Chips (Past/Present/Future)," Proc. Eurocrypt '84, Paris, 1984, (8: BET-85), pp. 159-165.

Key Words: ESA, crypto, hardware.

ROG-87
Rogers, H.L.
"An Overview of the Caneware Program," Proc. 10th Natl. Comp. Sec. Conf., (5: NCS-87a), 1987, pp. 172-174.

Key Words: crypto, design, case.

RUT-86
Rutledge, L.S., and L.J. Hoffman
"A Survey of Issues in Computer Network Security," Computers & Security, December 1986, pp. 296-308.

Key Words: network, general.

SAT-88
Satya, V.
"Secure Computer Network Requirements," Information Age (U.K.), October 1988, pp. 211-222.

Key Words: requirements, network.

SCA-87
Schaumuller-Bici, I.
"IC-Cards in High-Security Applications," Proc. Eurocrypt '87, Amsterdam, 1987, (8: CHA-88a), pp. 177-189.

Key Words: crypto, hardware.

SCH-80
Scharf, J.D., C.V. Wallentine, and P.S. Fisher
"Department of Defense Network Security Considerations," in Rullo, T.A. (Ed.), Advances in Computer Sec. Management, Vol. 1, Heyden, Philadelphia, PA, 1980, pp. 202-230.

Key Words: network, design, case.

SCH-82
Schanning, B.P.
"Applying Public Key Distribution to Local Area Networks," Computers & Security, November 1982, pp. 268-274.

Key Words: LAN, crypto, keys.

SCH-82a
Schwartz, M.
"Making Sense of DES," Computerworld, June 7, 1982, pp. ID15-ID34.

Key Words: DES, crypto, general.

SCH-82b
Schwartz, M.
"DES: Putting It to Work," Computerworld, June 21, 1982, pp. ID1-ID16.

Key Words: DES, crypto, methods.

SCH-84
Schaumueller-Bichl, I., and E. Piller
"A Method of Software Protection Based on the Use of Smart Cards and Cryptographic Techniques," Proc. Eurocrypt '84, Paris, 1984, (8: BET-85), pp. 446-454.

Key Words: crypto, software, methods, techniques.

SCH-85
Schaefer, M., and D.E. Bell
"Network Security Assurance," Proc. 8th Natl. Comp. Sec. Conf., (5: NCS-85), 1985, pp. 64-69.

Key Words: verification, network.

SCH-85a
Schnackenberg, D.D.
"Development of a Multilevel Secure Local Area Network," Proc. 8th Natl. Comp. Sec. Conf., (5: NCS-85), 1985, pp. 97-104.

Key Words: MLS, LAN, design, case.

SCH-87
Schnackenberg, D.
"Applying the Orange Book to an MLS LAN," Proc. 10th Natl. Comp. Sec. Conf., (5: NCS-87a), 1987, pp. 51-55.

Key Words: MLS, LAN, criteria.

SCH-87a
Schweitzer, J.A.
"Securing Information on a Network of Computers," EDPACS, July 1987, pp. 1-8.

Key Words: network, methods.

SCH-87b
Schockley, W.R., R.R. Schell, and M.F. Thompson "A Network of Trusted Systems," AIAA No. 87-3100, Proc. 3d Aerosp. Comp. Sec. Conf., (5:IEE-87b), 1987, pp. 140-142.

Key Words: network, trusted, case.

SCH-89
Schnorr, C.P. "Efficient Identification and Signatures for Smart Cards," Proc. Crypto '89, Santa Barbara, CA, (8: BRA-90), 1989.

Key Words: authentication, case.

SCO-85
Scott, R. "Wide-Open Encryption Design Offers Flexible Implementations," Cryptologia, January 1985, pp. 75-90.

Key Words: encryption, design.

SEA-85
Seaman, J. "Halting Network Intruders," Computer Decisions, January 29, 1985, pp. 82ff.

Key Words: threats, network, techniques.

SED-87
Sedlak, H. "The RSA Cryptography Processor," Proc. Eurocrypt '87, Amsterdam, 1987, (8: CHA-88a), pp. 95-105.

Key Words: RSA, crypto, hardware.

SER-84
Serpell, S.C., C.B. Brookson, and B.L. Clark "A Prototype System Using Public Key," Proc. Crypto '84, Santa Barbara, CA, 1984, (8: BLA-84a), pp. 3-9.

Key Words: crypto, public-key, case.

SER-84a
Serpell, S.C., and C.B. Brookson "Encryption and Key Management for the ECS Satellite Service," Proc. Eurocrypt '84, Paris, 1984, (8: BET-85), pp. 426-436.

Key Words: crypto, network, keys.

SER-85
Serpell, S,C, "Cryptographic Equipment Security: A Code of Practice," Computers & Security, March 1985, pp. 47-64.

Key Words: crypto, hardware.

SHA-86
Sharma, R.S. "Data Communications and Security," ACM Sec., Audit & Control Rev., Winter 1986, pp. 28-38.

Key Words: methods, general.

SHA-88
Shain, M. "Security in Electronic Funds Transfer," Proc. IFIP/Sec. '88, Australia, 1989, (2: CAE-89), pp. 367-380.

Key Words: methods, network, case.

SHA-89
Shain, M. "Security in Electronic Funds Transfer," Computers & Security, May 1989, pp. 209-221.

Key Words: methods, network, case.

SHE-87
Sheehan, E.R. "Access Control within SDNS," Proc. 10th Natl. Comp. Sec. Conf., (5: NCS-87a), 1987, pp. 165-171.

Key Words: network, control, case.

SIM-82
Simmons, G.J. (Ed.) Secure Communications and Asymmetric Cryptosystems, Westview Press, Boulder, CO, 1982.

Key Words: book, crypto, methods, public-key.

SIM-83
Simmons, G.J. "A 'Weak' Privacy Protocol Using the RSA Cryptoalgorithm," Cryptologia, 1983, pp. 180-182.

Key Words: RSA, crypto, protocol.

SIM-84
Simmons, G.J. "A System for Verifying User Identity and Authorization at the Point-of-Sale or Access," Cryptologia, January 1984, pp. 1-21.

Key Words: authentication, case.

SIM-85
Simmons, G.J. "The Practice of Authentication," Proc. Eurocrypt '85, Linz, 1985, (8: PIC-86), pp. 261-272.

Key Words: authentication, methods.

SIM-87
Simmons, G.J.
"Message Authentication with Arbitration of Transmitter/Receiver Disputes," Proc. Eurocrypt '87, Amsterdam, 1987, (8: CHA-88a), pp. 151-165.

Key Words: authentication.

SIM-88
Simmons, G.J.
"A Survey of Information Authentication," Proceedings of the IEEE, May 1988, pp. 603-620.

Key Words: authentication.

SIM-88a
Simmons, G.J.
"How to Insure that Data Acquired to Verify Treaty Compliance Are Trustworthy," Proceedings of the IEEE, May 1988, pp. 621-627.

Key Words: verification, crypto.

SMI-81
Smid, M.E.
"Integrating the Data Encryption Standard into Computer Networks," IEEE Trans. on Communications, June 1981, pp. 762-772.

Key Words: DES, network, design.

SMI-87
Smith, M.K.
"A Verified Encrypted Packet Interface," ACM Software Engr. Notes, July 1987.

Key Words: crypto, design, case.

SMI-88
Smid, M.E., and D.K. Branstad
"The Data Encryption Standard: Past and Future," Proceedings of the IEEE, May 1988, pp. 550-559.

Key Words: DES, crypto, general.

SMI-88a
Smid, M., et al.
Message Authentication Code (MAC) Validation System: Requirements and Procedures, SP 500-156, National Institute of Standards and Technology, Gaithersburg, MD, May 1988.

Key Words: authentication, design, methods, requirements.

SMI-89
Smid, M., J. Dray, and R. Warnar
"A Token Based Access Control System for Computer Networks," Proc. 12th Natl. Comp. Sec. Conf., (5: NCS-89), 1989, pp. 232-253.

Key Words: network, control, case.

SMI-89a
Smith, J.M.
"Practical Problems with a Cryptographic Protection Scheme," Proc. Crypto '89, Santa Barbara, CA, (8: BRA-90), 1989.

Key Words: crypto, design, methods.

SNA-88
Snare, J.
"Secure Electronic Data Exchange," Proc. IFIP/Sec. '88, Australia, 1989, (2: CAE-89), pp. 331-342.

Key Words: network, case.

SOR-83
Sorkin, A.
"Requirements for A Secure Terminal Switch," Computers & Security, November 1983, pp. 268-274.

Key Words: requirements, case.

SOR-84
Sorkin,A., and J.C. Buchanan
"Measurment of Cryptographic Capability Protection Algorithms," Computers & Security, May 1984, pp. 101-116.

Key Words: crypto, design, methods.

STO-89
Stoneburner, G.R., and D.A. Snow
"The Boeing MLS LAN: Headed Towards an INFOSEC Security Solution," Proc. 12th Natl. Comp. Sec. Conf., (5: NCS-89), 1989, pp. 254-266.

Key Words: MLS, LAN, design, case.

TAT-87
Tater, G.L.
"The Secure Data Network System: An Overview:, Proc. 10th Natl. Comp. Sec. Conf., (5: NCS-87a), 1987, pp. 150-152.

Key Words: network, design, case.

TAT-89
Tatebayashi, M., N.Matsuzaki, and D.B. Newman
"Key Distribution Protocol for Digital Mobile Communication System," Proc. Crypto '89, Santa Barbara, CA, (8: BRA-90), 1989.

Key Words: crypto, protocols, key.

TEN-86
Tener, w.T.
"Discovery: An Expert System in the Communications Data Security Environment," Proc. IFIP/Sec. '86, Monte Carlo, 1986, (2: GRI-89).

Key Words: general, network, case.

TOP-84
Toppen, R.
"Infinite Confidence: The Audit of Communication Networks," Computers & Security, November 1984, pp. 303-313.

Key Words: auditing, network.

TOR-85
Torrieri, D.J.
Principles of Secure Communication Systems, Artech House, Norwood, MA, 1985.

Key Words: book, methods, general.

TRO-85
Troy, E.F.
"Dial-Up Security Update," Proc. 8th Natl. Comp. Sec. Conf., (5: NCS-85), 1985, pp. 124-132.

Key Words: PC, methods, hardware.

TRO-86
Troy, E.F.
Security for Dial-Up Lines, SP 500-137, National Bureau of Standards, Gaithersburg, MD, May 1986.

Key Words: PC, methods, hardware.

TSU-89
Tsudik, G.
"Datagaram Authentication in Internet Gateways: Implications of Fragmentation and Dynamic Routing," IEEE Journal on Selected Areas Communication, May 1989, pp. 499-504.

Key Words: authentication, case.

TUR-80
Turn, R.
"Applications of Cryptography," in Rullo, T.A. (Ed.), Advances in Computer Security Management, Vol. 1, Heyden & Son, Philadelphia, PA, 1980, pp. 170-200.

Key Words: crypto, general.

VAN-85
Vandewalle, J. et al.
"Implementation Study of Public Key Cryptographic Protection in an Existing Electronic Mail and Document Handling System," Proc. Eurocrypt '85, Linz, 1985, (8: PIC-86), pp. 43-49.

Key Words: EM, cerypto, public key.

VAN-87
van Heurck, P.
"TRASEC: Belgian Security System for Electronic Funds Transfers," Computers & Security, June 1987, pp. 261-268.

Key Words: network, methods, case.

VAN-88
van der Bank, D., and E. Anderssen
"Cryptographic Figure of Merit," Computers & Security, June 1988, pp. 299-303.

Key Words: crypto, design, methods.

VAR-89
Varadharajan, V.
"Verification of Network Security Protocols," Computers & Security, December 1989, pp. 693-708.

Key Words: verification, protocols.

VOY-83
Voydock, V., and S.T. Kent
"Security for Computer Communication Networks," ACM Computing Surveys, June 1983, pp. 135-171.

Key Words: methods, general.

VOY-85
Voydock, V.L., and S.T. Kent
"Security Mechanisms in a Transport Layer Protocol," Computers & Security, December 1985, pp. 325-341.

Key Words: methods, protocols.

VOY-85a
Voydock, V.L., and S.T. Kent
"Security in High-Level Network Protocols," IEEE Communications Magazine, July 1985, pp. 12-24.

Key Words: network, protocols.

WAL-85
Walker, S.T.
"Network Security Overview," Proc. 1985 IEEE Symp. Sec. &. Privacy, (5:IEE-85), pp. 62-76.

Key Words: network, general.

WAL-89
Walker, S.T.
"Network Security: The Parts of the Sum," Proc. 1989 IEEE Symp. Sec. & Privacy, (5:IEE-89b), pp. 2-9.

Key Words: network, general.

WIL-80
Williams, H.C.
"A Modification of the RSA Public-Key Cryptosystem," IEEE Trans. on Inform. Theory, November 1980, pp. 726-729.

Key Words: RSA, crypto, design.

WIT-88
Witten, I.H. and J.G. Cleary
"On the Privacy Afforded by Adaptive Text Compression," Computers & Security, August 1988, pp. 397-408.

Key Words: methods, case, techniques.

WON-85
Wong, R.M., T.A.Berson, and R.J. Feiertag
"Polonius: An Identity Authentication System," Proc. 1985 IEEE Symp. Sec. & Privacy, (5:IEE-85), pp. 101-107.

Key Words: authentication, case.

WON-89
Wong, R.M.
"Logon in Distributed Systems," Digest of Papers, IEEE Compcon '89, 1989, pp. 338-341.

Key Words: methods, network.

WOO-81
Wood, C.C.
"Future Applications of Cryptography," Proc. 1981 IEEE Symp. Sec. & Privacy, (5:IEE-81), pp. 70-74.

Key Words: crypto, general.

WOO-82
Wood, C.C.
"Future Applications of Cryptography," Computers & Security, January 1982, pp. 65-71.

Key Words: crypto, general.

WOO-83
Wood, H.M., and I.W. Cotton
"Security in Computer Communications," in W. Chou (Ed.), Computer Communications, Vol. 1, Prentice-Hall, Englewood Cliffs, NJ, 1983, pp. 369-409.

Key Words: methods, general.

WOO-89
Wood, C.C.
"Planning: A Means to Achieve Data Communications Security," Computers & Security, May 1989, pp. 189-199.

Key Words: methods, design.

WOO-89a
Woodfield, N.K.
"An Approach for Evaluating the Security of an Air Force Type Network," Proc. 5th Sec. Applicat. Conf., (5:IEE-89c), 1989, pp. 53-62.

Key Words: network, methods, case.

8. Cryptography

This section cites publications on the theoretical and practical aspects of cryptography, cryptanalysis, and cryptographic protocols.

ACE-81
"American Council of Education Report on the Public Cryptography Study Group," Communications of the ACM, July 1981, pp, 435-450.

Key Words: policy, research.

ADA-87
Adams, C.M.
"Security-Related Comments Regarding McEliece's PublicKey Cryptosystem," Proc. Crypto '87, Santa Barbara, CA, 1987, (8: POM-88), pp. 224-228.

Key Words: evaluation, public-key.

ADL-82
Adleman, L.M.,
"On Breaking the Iterated Merkle-Hellman Public-Key Cryptosystem," Proc. Crypto '82, Santa Barbara, CA, 1982, (8: CHA-83b), pp. 303-313.

Key Words: analysis, knapsack.

ADL-82a
Adleman, L.M.
"Implementing an Electronic Notary Public," Proc. Crypto '82, Santa Barbara, CA, 1982, (8: CHA-83b), pp. 259-265.

Key Words: signatures, design.

ADL-83
Adleman, L.M.
"On Breaking Generalized Knap-sack Public-key Cryptosystems," Proceedings, 15th ACM Symposium on Theory of Computing, 1983, pp. 402-412.

Key Words: analysis, knapsack.

AGN-87
Agnew, G.B.
"Random Sources for Cryptographic Systems," Proc. Eurocrypt '87, Amsterdam, 1987, (8: CHA-88a), pp. 77-81.

Key Words: random, techniques.

AGN-88
Agnew, G.B., R.C. Mullin, and S.A. Vanstone
"An Interacrtive Data Exchange Protocol Based on Discrete Exponentionation," Proc. Eurocrypt '88, Davos, 1988, (8: GUN-89), pp. 159-176.

Key Words: methods, protocols.

AHI-87
Ahituv, N., Y. Lapid, and S. Neumann
"Processing Encrypted Data," Communications of the ACM, September 1987, pp. 777-780.

Key Words: techniques.

AKL-82
Akl, S.G.
"Digital Signatures with Blindfolded Arbitrators Who Cannot Form Alliances," Proc. 1982 IEEE Symp. Sec. and Privacy, (5: IEE-82), pp. 129-135.

Key Words: signatures, methods.

AKL-83
Akl, S.G.
"On the Security of Compressed Encodings," Proc. Crypto '83, Santa Barbara, CA, 1983, (8: CHA-84b), pp. 209-230.

Key Words: analysis, codes.

AKL-83a
Akl, S.G.
"Digital Signatures: Tutorial Survey," IEEE Computer, February 1983, pp. 14-24.

Key Words: signatures, general.

AKL-84
Akl, S.G., and H. Meijer
"A Fast Pseudo Random Permu-tation Generator with Applica-tions to Cryptography," Proc. Crypto '84, Santa Barbara, CA, 1984, (8: BLA-84a), pp. 269-275.

Key Words: random, techniques.

ALP-83
Alpern, B., and B. Schneider
"Key Exchange Using 'Keyless Cryptography'," Information Processing Letters, 1983, pp. 79-81.

Key Words: keys, techniques.

AMI-81
Amirazizi, H.R., E.D. Kamin, and J.M. Reyneri "Compact Knapsacks are Polyno-mially Solvable," Proc. Crypto '81, Santa Barbara, CA, 1981, (8: GER-82), pp. 17-24.

Key Words: analysis, knapsack.

AND-82
Andelman, D., and J. Reeds "On the Cryptanalysis of Rotor Machines and Substitution-Permutation Networks," IEEE Trans. on Inform. Theory, No. 4, 1982, pp. 578-584.

Key Words: analysis, hardware.

ASM-83
Asmuth, C., and J. Blum "A Modular Approach to Key Safeguarding," IEEE Trans. on Inform. Theory, March 1983, pp. 208-210.

Key Words: methods, keys.

AVA-88
Avarne, S. "Cryptography -- Combatting Data Compromise," Security Management, October 1988, pp. 38-43.

Key Words: threats, methods.

AYO-83
Ayoub, F. "The Design of Complete Encryption Packages Using Cryptographically Equivalent Permutations," Computers & Security, November 1983, pp. 261-267.

Key Words: methods, design.

BAL-85
Baldwin, R.W., and W.C. Gramlich "Cryptographic Protocol for Trustable Match Making," Proc. 1985 IEEE Symp. Sec. and Privacy, (5: IEE-85), pp. 92-100.

Key Words: protocols, methods.

BAN-83
Banary, I., and Z. Furedi "Mental Poker with Three or More Players," Information and Control, 1983, pp. 84-93.

Key Words: protocols, methods.

BEK-82
Beker, H., and F. Piper Cipher Systems: The Protection of Communications, J. Wiley & Sons, New York, 1982.

Key Words: book, techniques, methods, general.

BEL-89
Bellare, M., and S. Goldwasser "New Paradigms for Digital Signatures for Smart Cards," Proc. Crypto '89, Santa Barbara, CA, (8: BRA-90), 1989.

Key Words: signatures, methods.

BEN-82
Bennett, C.H., et al. "Quantum Cryptography, or Unforgeable Subway Tokens," Proc. Crypto '82, Santa Barbara, CA, 1982, (8: CHA-83b), pp. 267-275.

Key Words: authentication, case.

BEN-84
Bennet, C.H., and G. Brassard "Update on Quantum Cryptography," Proc. Crypto '84, Santa Barbara, CA, 1984, (8: BLA-84a), pp. 475-480.

Key Words: techniques, methods.

BEN-85
Bennet, C.H., G. Brassard, and J.-M. Robert "How to Reduce Your Enemy's Information," Proc. Crypto '85, Santa Barbara, CA, 1985, (8: WIL-86), pp. 468-476.

Key Words: methods, theory.

BEN-86
Benaloh, J.C. "Cryptographic Capsules: A Disjunctive Primitive for Interactive Protocols," Proc. Crypto '86, Santa Barbara, CA, 1986, (8: ODL-87), pp. 213-222.

Key Words: methods, protocols.

BEN-86a
Benaloh, J.C. "Secret Sharing Homomorphisms: Keeping Shares of a Secret Secret," Proc. Crypto '86, Santa Barbara, CA, 1986, (8: ODL-87), pp. 251-260.

Key Words: methods, protocols.

BEN-87
Bennett, J. "Analysis of the Encryption Algorithm Used in the WordPerfect Word Processing Program," Cryptologia, October 1987, pp. 206-210.

Key Words: methods, case.

BEN-89
Bender, A., and
G. Castagnoli
"On the Implementation of Elliptic Curve Cryptosystems," Proc. Crypto '89, Santa Barbara, CA, (8: BRA-90), 1989.

Key Words: methods, theory.

BER-84
Berger, R., et al.
"A Provably Secure Oblivious Transfer Protocol," Proc. Eurocrypt '84, Paris, 1984, (8: BET-85), pp. 379-386.

Key Words: oblivious, protocols.

BER-85
Berger, R., et al.
"A Framework for the Study of Cryptographic Protocols," Proc. Crypto '85, Santa Barbara, CA, 1985, (8: WIL-86), pp. 87-103.

Key Words: model, protocols.

BET-82
Beth, T., and T. Ioth
"Algorithm Engineering for Public Key Algorithms," Proc. 1982 IEEE Symp. Sec. & Priv., (5: IEE-82), pp. 458-466.

Key Words: algorithms, design.

BET-83
Beth, T. (Ed.)
Cryptography, Proceedings, Burg Feuerstein Conference 1982, Lecture Notes in Computer Science, Springer Verlag, Berlin, 1983.

Key Words: proceedings, general.

BET-86
Beth, T., et al. (Eds.)
Advances in Cryptology, Proceedings, Eurocrypt '85, Linz, Austria, April 1985, Lecture Notes in Computer Science, Vol. 209 Springer-Verlag, New York, 1986

Key Words: proceedings, general.

BET-88
Beth, T.
"Efficient Zero-Knowledge Identication Scheme for Smart Cards," Proc. Eurocrypt '88, Davos, 1988, (8: GUN-89), pp. 77-84.

Key Words: authentication, zero.

BEU-87
Beutelspacher, A.
"Perfect and Essentially Perfect Authentication Schemes," Proc. Eurocrypt '87, Amsterdam, 1987, (8: CHA-88a), pp. 167-170.

Key Words: authentication, methods.

BLA-80
Blakely, G.R.
"One Time Pads Are Key Safeguarding Schemes, Not Cryptosystems," Proc. 1980 IEEE Symp. Sec. & Priv., (5: IEE-80), pp. 108-113.

Key Words: methods, keys.

BLA-80a
Blakely, G.R.
"Safeguarding Cryptographic Keys," Proc. 1980 IEEE Symp. Sec. & Priv., (5: IEE-80), pp. 108-113.

Key Words: methods, keys,

BLA-84
Blakely, G.R., and
D.L. Chaum (Eds.)
Advances in Cryptology: Crypto '84, Santa Barbara, CA, August 1984, Lect. Notes in Comp. Sci., No. 196, Springer-Verlag, Berlin, 1984.

Key Words: proceedings, general.

BLA-84a
Blakely, G.R., and
C. Meadows
"Security of Ramp Schemes," Proc. Crypto '84, Santa Barbara, CA, 1984, (8: BLA-84a), pp. 242-268.

Key Words: analysis, methods.

BLA-84b
Blakely, G.R.
"Information Theory Without the Finiteness Assumption, I: Cryptosystems as Group-Theoretic Objects," Proc. Crypto '84, Santa Barbara, CA, 1984, (8: BLA-84a), pp. 314-338.

Key Words: analysis, theory.

BLA-85
Blakely, G.R.
"Information Theory Without the Finiteness Assumption, II: Unfolding the DES," Proc. Crypto '85, Santa Barbara, CA, 1985, (8: WIL-86), pp. 282-337.

Key Words: DES, analysis, theory.

BLA-85a
Blakely, G.R., C. Meadows, and G.B. Purdy
"Fingerprinting Long Forgiving Messages," Proc. Crypto '85, Santa Barbara, CA, 1985, (8: WIL-86), pp. 180-189.

Key Words: methods, theory.

BLA-86
Blakely, G.R., and R.D. Dixon "Smallest Possible Message Expansion in Threshold Schemes," Proc. Crypto '86, Santa Barbara, CA, 1986, (8: ODL-87), pp. 266-274.

Key Words: methods, theory.

BLA-87
Blakely, G.R., and W. Rundell "Cryptosystems Based on an Analog of Heat Flow," Proc. Crypto '87, Santa Barbara, CA, 1987, (8: POM-88), pp. 306-329

Key Words: models, methods.

BLO-82
Blom, R. "Non-Public-key Distribution," Proc. Crypto '82, Santa Barbara, CA, 1982, (8: CHA-83b), pp. 231-236.

Key Words: keys, management.

BLO-84
Blom, R. "An Upper Bound on the Key Equivocation for Pure Ciphers," IEEE Trans. on Inform. Theory, 1984, pp. 82-84.

Key Words: methods, theory.

BLO-84a
Blom, R. "An Optimal Class of Symmetric Key Generation Systems," Proc. Eurocrypt '84, Paris, 1984, (8: BET-85), pp. 335-338.

Key Words: keys, theory.

BLU-82
Blum, M. "Coin Flipping by Telephone," Proc., IEEE Spring Computer Conference, 1982, pp. 133-137.

Key Words: protocols, case.

BLU-83
Blum, M. "How to Exchange (Secret) Keys," ACM Trans. on Computer Systems, May 1983, pp. 175-193.

Key Words: protocols, keys.

BLU-84
Blum, M., and S. Micali "How to Generate Cryptographically Strong Sequences of Pseudo-Random Bits," SIAM Journal of Computation, November 1984.

Key Words: mathods, random.

BLU-84a
Blum, M., and S. Goldwasser "An Efficient Probabiliastic Public-Key Encryption Scheme which Hides All Partial Infromation," Proc. Crypto '84, Santa Barbara, CA, 1984, (8: BLA-84a), pp. 289-299.

Key Words: algorithm, zero.

BOO-85
Book, R.V., and F. Otto "The Verifiability of Two-Part Protocols," Proc. Eurocrypt '85, Linz, 1985, (8: PIC-86), pp. 254-260.

Key Words: verification, protocols.

BRA-81
Brassard, G. "A Time-Luck Tradeoff in Relativized Cryptography," Journal of Computer and System Science, 1981, pp. 280-311.

Key Words: methods, design.

BRA-82
Brassard, G. "On Computationally Secure Authentication Tags Requiring Short Shared Keys," Proc. Crypto '82, Santa Barbara, CA, 1982, (8: CHA-83b), pp. 79-85.

Key Words: authentication, keys.

BRA-83
Brassard, G. "A Note on the Complexity of Cryptography," IEEE Trans. on Informat. Theory, November 1983, pp. 232-233.

Key Words: complexity, theory.

BRA-83a
Brassard, G. "Relativized Cryptography," IEEE Trans. on Inform. Theory, 1983, pp. 877-894.

Key Words: methods, general.

BRA-86
Brassard, G., and C. Crepeau "Non-Transitive Transfer of Confidence: A Perfect Zero-Knowledge Interactive Protocol for SAT and Beyond," Proceedings, 27th IEEE Annual Symposium on the Foundations of Computer Science, 1986, pp. 188-195.

Key Words: protocols, zero.

BRA-86a
Brassard, G., C. Crepeau, and J.-M. Robert "All-Or-Nothing Disclosure of Secrets," Proc. Crypto '86, Santa Barbara, CA, 1986, (8: ODL-87), pp. 234-238.

Key Words: methods, theory.

BRA-88
Brandt, J., I.B. Damgard, and P. Landrock "Anonymous and Verifiable Registration in Databases," Proc. Eurocrypt '88, Davos, 1988, (8: GUN-89), pp. 167-76.

Key Words: authentication, methods, theory.

BRA-88a
Brassard, G. Modern Cryptology: A Tutorial, Lecture Notes in Computer Science No. 325, Springer-Verlag, New York, NY, 1988

Key Words: book, general.

BRA-90
Brassard, G.
Advances in Cryptology, Proceedings of Crypto-89, Santa Barbara, CA, August 1989, Lecture Notes in Computer Science, Springer Verlag, Berlin, 1990.

Key Words: proceedings, general.

BRI-82
Brickell, E.F.
"A Fast Modular Multiplication Algorithm with Application to Two-Key Cryptography," Proc. Crypto '82, Santa Barbara, CA, 1982, (8: CHA-83b), pp. 51-60.

Key Words: RSA, techniques.

BRI-82a
Brickell, E.F., J.A. Davis, and G.J. Simmons
"A Preliminary Report on the Cryptanalysis of Merkle-Hellman Knapsack Cryptosystems," Proc. Crypto '82, Santa Barbara, CA, 1982, (8: CHA-83b), pp. 289-301.

Key Words: analysis, knapsack.

BRI-83
Brickell.E.F.
"Solving Low Density Knapsacks" Proc. Crypto '83, Santa Barbara, CA, 1983, (8: CHA-84b), pp. 25-38.

Key Words: analysis, knapsack.

BRI-83a
Brickell, E.F., and G.J. Simmons
"A Status Report on Knapsack Based Public-key Cryptosystems," Congressus Numerantium, Vol. 37, 1983, pp. 3-72.

Key Words: analysis, knapsack.

BRI-84
Brickell, E.F.
"A Few Results in Message Authentication" Congress Numerantium, December 1984, pp. 141-154.

Key Words: authentication, methods, theory.

BRI-84a
Brickell, E.F.
"Breaking Iterated Knapsacks," Proc. Crypto '84, Santa Barbara, CA, 1984, (8: BLA-84a), pp. 342-358.

Key Words: analysis, knapsack.

BRI-85
Brickell, E.F., and J.M. DeLaurentis
"An Attack on a Signature Scheme Proposed by Okamoto and Shiraishi," Proc. Crypto '85, Santa Barbara, CA, 1985, (8: WIL-86), pp. 28-32.

Key Words: analysis, signatures.

BRI-86
Brickell, E.F., J.H. Moore, and M.R. Purtill
"Structure in the S-Boxes of the DES," Proc. Crypto '86, Santa Barbara, CA, 1986, (8: ODL-87), pp. 3-32.

Key Words: DES, analysis.

BRI-87
Brickell, e.F.
"On Privacy Homomorphisms," Proc. Eurocrypt '87, Amsterdam, 1987, (8: CHA-88a), pp. 117-125.

Key Words: methods, theory.

BRI-87a
Brickell, E.F., et al.
"Gradual and Verifiable Release of a Secret," Proc. Crypto '87, Santa Barbara, CA, 1987, (8: POM-88), pp. 156-166.

Key Words: verification, methods.

BRI-87b
Brickell, E.F., P.J. Lee, and Y. Yacobi
"Secure Audio Teleconference," Proc. Crypto '87, Santa Barbara, CA, 1987, (8: POM-88), pp. 418-426.

Key Words: techniques, design.

BRI-88
Brickell, E.F., and A.M. Odlyzko
"Cryptanalysis: A Survey of Recent Results," Proceedings of the IEEE, May 1988, pp. 578-593.

Key Words: analysis, methods.

BRI-88a
Brickell, E.F., and D.R. Stinson
"Authentication Codes with Multiple Arbitrers," Proc. Eurocrypt '87, Amsterdam, 1987, (8: CHA-88a), pp. 51-55.

Key Words: authentication, codes.

BRI-89
Brickell, E.F., and D.M. Davenport
"On the Classification of Ideal Secret Sharing Systems," Proc. Crypto '89, Santa Barbara, CA, (8: BRA-90), 1989.

Key Words: methods, theory.

BUC-82
Buck, R.C.
"The Public Cryptography Study Group," Computers & Security, November 1982, pp. 249-254.

Key Words: policy, research.

BUC-88
Buchmann, J., and H.C. Williams
"A Key-Exchange System Based on Imaginary Quadratic Fields," Journal of Cryptology, Vol. 1, No. 2, 1988, pp. 107-118.

Key Words: methods, keys, theory.

BUC-89
Buchmann, J.A., and H.C. Williams
"A Key Exchange System Based on Real Quadratic Fields," Proc. Crypto '89, Santa Barbara, CA, (8: BRA-90), 1989.

Key Words: methods, keys, theory.

CAD-86
Cade, J.J.
"A Modification of A Broken Public-Key Cipher," Proc. Crypto '86, Santa Barbara, CA, 1986, (8: ODL-87), pp. 64-83.

Key Words: methods, design.

CAR-86
Carroll, J.M., and S. Martin
"The Automated Cryptanalysis of Substitution Ciphers," Cryptologia, October 1986, pp. 193-209.

Key Words: analysis, methods.

CAR-87
Carroll, J.M., and L. Robbins
"The Automated Cryptanalysis of Polyalphabetic Ciphers," Cryptologia, October 1987, pp. 193-205.

Key Words: analysis, methods.

CAR-88
Carroll, J.M., and L.E. Robbins
"Using Binary Derivatives to Test an Enhancement of DES," Cryptologia, October 1988, pp. 193-208.

Key Words: DES, evaluation.

CHA-81
Chaum, D.L.
"Untraceable Electronic Mail, Return Addresses, and Digital Pseudonyms," Communications of the ACM, February 1981, pp. 84-88.

Key Words: methods, protocols.

CHA-82
Chaum, D.
"Blind Signatures for Untraceable Payments," Proc. Crypto '82, Santa Barbara, CA, 1982, (8: CHA-83b), pp. 199-203.

Key Words: signatures, theory.

CHA-83
Chaum, D., R.L. Rivest, and A.T. Sheridan (Eds.), Advances in Cryptology: Proc. of Crypto-82, Santa Barbara, CA, August 1982, Plenum Press, New York, 1983.

Key Words: proceedings, general.

CHA-84
Chaum, D. (Ed.), Advances in Cryptology: Proc. of Crypto-83, Sata Barbara, CA, August 1983, Plenum Press, New York, 1984.

Key Words: proceedings, general.

CHA-85
Chaum, D., and J.-H. Evertse
"Cryptanalysis of DES with a Reduced Number of Rounds Sequences of Linear Factors in Block Ciphers," Proc. Crypto '85, Santa Barbara, CA, 1985, (8: WIL-86), pp. 192-211.

Key Words: DES, analysis, design.

CHA-85a
Chaum, D.
"Security Without Identification: Transaction System to Make Big Brother Obsolete," Communications of the ACM, October 1985, pp. 1030-1044.

Key Words: techniques, theory.

CHA-86
Chaum, D., and J.-H. Evertse
"A Secure and Privacy-Protecting Protocol for Transmitting Personal Infromation Between Organizations," Proc. Crypto '86, Santa Barbara, CA, 1986, (8: ODL-87), pp. 118-167.

Key Words: protocols, design.

CHA-86a
Chaum, D.
"Demonstrating the a Public Predicate Can Be Satisfied Without Revealing Any Infromation About How," Proc. Crypto '86, Santa Barbara, CA, 1986, (8: ODL-87), pp. 195-199.

Key Words: protocol, theory, zero.

CHA-86b
Chaum, D., et al.
"Demonstrating Possession of a Discrete Logarithm Without Revealing It," Proc. Crypto '86, Santa Barbara, CA, 1986, (8: ODL-87), pp. 200-212.

Key Words: protocol, theory, zero.

CHA-87
Chaum, D., I.B. Damgard, and J. Van de Graaf "Multiparty Computations Ensuring of Each Party's Input and Correctness of the Result," Proc. Crypto '87, Santa Barbara, CA, 1987, (8: POM-88),

Key Words: protocols, theory.

CHA-87a
Chaum, D. "Blinding for Unaticipated Signatures," Proc. Eurocrypt '87, Amsterdam, 1987, (CHA-88a), pp. 227-233.

Key Words: signatures, methods.

CHA-87b
Chaum, D., J.-H. Evertse, and J. van de Graaf "An Improved Protocol for Demonstrating Posession of a Discrete Logarithm and Some Generalizations," Proc. Eurocrypt '87, Amsterdam, 1987, (CHA-88a), pp. 127-141.

Key Words: protocols, theory.

CHA-88
Chaum, D., and W.L. Price (Eds.) Advances in Cryptology: Eurocrypt '87 Proceedings, Amsterdam, April 1987, Lecture Notes in Computer Science No. 304, Springer-Verlag, New York, 1988.

Key Words: proceedings, general.

CHA-88a
Chaum, D. "The Dining Cryptographers Problem: Unconditional Sender and Receiver Untraceability," Journal of Cryptology, Vol. 1, No. 1, 1988, pp. 65-75.

Key Words: protocols, theory.

CHA-88b
Chaum, D. "Elections with Unconditionally Secret Ballots and Disruption Equivalent to Breaking RSA," Proc. Eurocrypt '88, Davos, 1988, (8: GUN-89), pp. 177-182.

Key Words: RSA, protocols.

CHA-89
Chaum, D. "Undeniable Signatues" Proc. Crypto '89, Santa Barbara, CA, (8: BRA-90), 1989.

Key Words: signatures, methods.

CHA-89a
Chaum, D. "The Spymaster's Double-Agent Problem: Multiparty Computations Secure Unconditionally from All Minorities and Cryptographically from Majorities," Proc. Crypto '89, Santa Barbara, CA, (8: BRA-90), 1989.

Key Words: protocols, theory.

CHO-84
Chor, B. and R.L. Rivest "A Knapsack Type Public-key Cryptosystem Based on Arith metic in Finite Fields," Proc. Crypto '84, Santa Barbara, CA, 1984, (8: BLA-84a), pp. 54-65.

Key Words: methods, knapsack.

CHO-85
Chor, B., et al. "Verifiable Secret Sharing and Achieving Simultaneity in the Presence of Faults," Proceedings, 26th IEEE Annual Symposium on the Foundations of Comp. Sci., 1985, pp. 383-395.

Key Words: protocols, methods.

CHO-88
Chor, B., and R.L. Rivest "A Knapsack-Type Public-key Cryptosystem Based on Arithmetic in Finite Fields," IEEE Trans. on Inform. Theory, September 1988, pp. 901-909.

Key Words: methods, knapsack, theory, public-key.

CHO-89
Chor, B., and E. Kushilevitz "Secret Sharing over Infinite Domains," Proc. Crypto '89, Santa Barbara, CA, 1989, (8: BRA-90).

Key Words: methods, theory.

CLJ-84
"Government and Cryptography," Computer/Law Journal, Winter 1984, pp. 573-603.

Key Words: policy, research.

COH-85
Cohen, J., and M. Fischer "A Robust and Verifiable Cryptographically Secure Election System," Proceedings, 26th IEEE Symposium on Foundations of Computing, 1985, pp. 372-382.

Key Words: methods, protocols.

COO-80
Cooper, R.H. "Linear Transformations in Galois Fields and Their Applications to Cryptography," Cryptologia, Vol. 4, 1980, pp. 184-188.

Key Words: algorithms, theory.

COO-84
Cooper, R.H., W. Hyslop, and W. Patterson "An Application of the Chinese Remainder Theorem to Multiple-Key Encryption in Data Base Systems," Proc. IFIP/Sec. '84, Toronto, 1984, (2: FIN-85), pp. 553-556.

Key Words: methods, theory.

COP-84
Coppersmith, D.
"Another Birthday Attack," Proc. Crypto '85, Santa Barbara, CA, 1985, (8: WIL-86), pp. 14-17.

Key Words: analysis, methods.

COP-85
Coppersmith, D.
"Cheating at Mental Poker," Proc. Crypto '85, Santa Barbara, CA, 1985, (8: WIL-86), pp. 104-107.

Key Words: threats, protocols.

COP-87
Coppersmith, D.
"Cryptography," IBM Journal of Research and Development, March 1987, pp. 244-248.

Key Words: methods, general.

COS-81
Costas, J.P.
"The Hand-Held Calculator as a Cryptographic Terminal," Cryptologia, April 1981, pp. 94-117.

Key Words: methods, hardware.

CRE-85
Crepeau, C.
"A Secure Poker Protocol that Minimizes the Effect of Player Coalitions," Proc. Crypto '85, Santa Barbara, CA, 1985, (8: WIL-86), pp. 73-86.

Key Words: methods, protocols.

CRE-87
Crepeau, C.
"Equivalence Between Two Flavors of Oblivious Transfer," Proc. Crypto '87, Santa Barbara, CA, 1987, (8: POM-88), pp. 350-354.

Key Words: oblivious, theory.

DAV-80
Davies, D.W., W.L. Price, and G.I. Parkin
"Evaluation of Public-key Cryptosystems," Information Privacy (U.K.), March 1980, pp. 138-154.

Key Words: evaluation, public-key.

DAV-80a
Davies, D.W., and D.A. Bell
"Protection of Data by Cryptography," Information Privacy, (U.K.), May 1980, pp. 106-125.

Key Words: techniques, case.

DAV-82
Davies, D.W.
"Some Regular Properties of Data Encryption Standard Algorithm," Proc. Crypto '82, Santa Barbara, CA, 1982, (8: CHA-83b), pp. 89-96.

Key Words: DES, analysis.

DAV-82a
Davies, D.W., and G.I.P. Parkin
"The Average Cycle Size of the Key Stream in Output Feedback Encipherment," Proc. Crypto '82, Santa Barbara, CA, 1982, (8: CHA-83b), pp. 97-98.

Key Words: DES, analysis.

DAV-82b
Davida, G.I., and Y.Yeh
"Cryptographic Relational Algebra," Proc. 1982 IEEE Symp. Sec. & Privacy, (5: IEE-82), 1982, pp. 111-116

Key Words: algorithms, theory.

DAV-83
Davies, D.W.
"Use of the 'Signature Token' to Create a Negotiable Document, Proc. Crypto '83, Santa Barbara, CA, (8: CHA-84b), 1983, pp. 377-382.

Key Words: signatuers, methods.

DAV-83a
Davis, J.A., and D.B. Holdridge
"Factorization Using the Quadratic Sieve Algorithm," Proc. Crypto '83, Santa Barbara, CA, (8: CHA-84b), 1983, pp. 103-113.

Key Words: analysis, techniques.

DAV-83b
Davio, M., et al.,
"Analytical Characteristics of the DES," Proc. Crypto '83, Santa Barbara, CA, 1983, (8: CHA-84b), pp. 171-202.

Key Words: DES, analysis, methods.

DAV-84
Davio, M., Y. Desmedt, and J.-J. Quisquater
"Propagation Characteristics of the DES" Proc. Eurocrypt '84, Paris, 1984, (8: BET-85), pp. 62-73.

Key Words: DES, analysis.

DAV-84a
Davis, J.A., D.B. Holdridge, and G.J. Simmons
"Status Report on Factoring (At the Sandia Laboratories)," Proc. Eurocrypt '84, Paris, 1984, (8: BET-85), pp. 183-215.

Key Words: RSA, analysis, methods.

DAV-87
Davida, G.I., and G.G. Walter
"A Public-key Analog Cryptosystem," Proc. Eurocrypt '87, Amsterdam, 1987, (CHA-88a), pp. 144-147.

Key Words: methods, public-key.

DAV-87a
Davida, G.I, and B.J. Matt "Arbitration in Tamper Proof Systems," Proc. Crypto '87, Santa Barbara, CA, 1987, (8: POM-88), pp. 216-222.

Key Words: signatures, methods.

DAV-87b
Davida, G.I., and F.B. Dancs "A Crypto-Engine," Proc. Crypto '87, Santa Barbara, CA, 1987, (8: POM-88), pp. 257-268.

Key Words: methods, design.

DAV-88
Davis, J.A, and D.B. Holdridge "Factorization of Large Integers on a Massively Parallel Computer," Proc. Eurocrypt '88, Davos, 1988, (8: GUN-89), pp. 235-243.

Key Words: analyis, techniques.

DEA-87
Deavours, C.A., Cryptology Yesterday, Today and Tomorrow, Artech House, Norwood, MA, 1987.

Key Words: book, general.

DEA-89
Deavours, C.A., et al. (Eds.) Cryptology: Machines, History, and Methods, Artech House, Norwood, MA, 1989.

Key Words: book, general.

DEJ-85
deJonge, W., and D. Chaum "Attacks on Some RSA Signatures," Proc. Crypto '85, Santa Barbara, CA, 1985, (8: WIL-86), pp. 18-27.

Key Words: RSA, analysis, signatures.

DEJ-86
de Jonge, W., and D. Chaum "Some Variations on RSA Signatures & Their Security," Proc. Crypto '86, Santa Barbara, CA, 1986, (8: ODL-87), pp. 49-59.

Key Words: RSA, signatures.

DEL-84
DeLAurentis, J.M. "A Further Weakness in the Common Modulus Protocol for the RSA Cryptoalgorithm," Cryptologia, July 1984, pp. 253-259.

Key Words: RSA, analysis, threats, protocols.

DEL-84a
Delsarte, P., et al. "Fast Cryptanalysis of Matsumoto-Imai Public-key Scheme," Proc. Eurocrypt '84, Paris, 1984, (8: BET-85), pp. 142-149.

Key Words: analysis, public-key.

DEM-82
DeMillo, R., N. Lynch, and M. Merritt "Cryptographic Protocols," Proc., 14th ACM Symposium on Theory of Computation, 1982, pp. 383-400.

Key Words: protocols, general.

DEM-83
DeMillo, R.A., et al. "Applied Cryptology, Cryptographic Protocols, and Computer Security Models," Proceedings, 29th Symposium on Applied Mathematics, American Mathematical Soc., 1983.

Key Words: models, protocols.

DEM-83a
DeMillo, R., and M. Merritt "Protocols for Data Security," IEEE Computer, February 1983, pp. 39-50.

Key Words: protocols, general.

DEN-82
Denning, D.E. Cryptography and Data Security, Addison-Wesley, Reading, MA, 1982.

Key Words: book, methods, models.

DEN-83
Denning, D.E., "The Many-Time Pad: Theme and Variations," Proc. 1983 IEEE Symp. Sec. & Priv., (5: IEE-83a), pp. 23-30.

Key Words: techniques, case.

DEN-84
Denning, D.E. "Digital Signatures with RSA and Other Public-Key Cryptosystems," Communications of the ACM, April 1984, pp. 388-392.

Key Words: RSA, signatures.

DEN-88
Den Boer, B. "Cryptanalysis of F.E.A.L.," Proc. Crypto '88, Santa Barbara, CA, 1988, pp. 293-299.

Key Words: analysis, algorithm.

DES-84
Desmedt, Y.G., et al. "A Critical Analysis of Security of Knapsack Public-key Algorithms," IEEE Trans. on Inform. Theory, July 1984, pp. 601-611.

Key Words: analysis, knapsack.

DES-84a
Desmedt, Y., et al.
"Dependence of Output on Input in DES: Small Avalanche Characteristics," Proc. Crypto '84, Santa Barbara, CA, 1984, (8: BLA-84a), pp. 359-376.

Key Words: DES, design, analysis.

DES-85
Desmedt, Y.
"Unconditionally Secure Authentication Schemes and Practical and Theoretical Consequences," Proc. Crypto '85, Santa Barbara, CA, 1985, (8: WIL-86), pp. 42-55.

Key Words: authentication, theory.

DES-85a
Desmedt, Y., and A.M. Odlyzko
"A Chosen Text Attack on the RSA Cryptosystem and Some Discrete Logarithm Schemes," Proc. Crypto '85, Santa Barbara, CA, 1985, (8: WIL-86), pp. 516-522.

Key Words: RSA, analysis, threats.

DES-86
Desmedt, Y., and J.-J. Quisquater
"Public-Key Systems Based on the Difficulty of Tampering," Proc. Crypto '86, Santa Barbara, CA, 1986, (8: ODL-87), pp. 111-117.

Key Words: public-key, design.

DES-86a
Desmedt, Y.
"Is There A Ultimate Use of Cryptography?," Proc. Crypto '86, Santa Barbara, CA, 1986, (8: ODL-87), pp. 459-463.

Key Words: policy, general.

DES-87
De Santis, A., S. Micali, and G. Persiano
"Non-Interactive Zero-Knowledge Proof Systems," Proc. Crypto '87, Santa Barbara, CA, 1987, (8: POM-88), pp. 52-72

Key Words: theory, zero.

DES-87a
Desmedt, Y.G., et al.
"Special Uses and Abuses of the Fiat-Shamir Passport Protocol" Proc. Crypto '86, Santa Barbara, CA, 1986, (8: ODL-87), pp. 21-39

Key Words: thretas, protocols.

DES-87b
Desmedt, Y.G.
"Society and Group Oriented Cryptography: A New Concept," Proc. Crypto '87, Santa Barbara, CA, 1987, (8: POM-88), pp. 120-127.

Key Words: policy, methods.

DES-88
Desmedt, Y.G.
"Subliminal-Free Authentication and Signature," Proc. Crypto '88, Santa Barbara, CA, 1988, pp. 23-33.

Key Words: authentication, methods.

DES-88a
De Soete, M.
"Some Constructions for Authentication-Secrecy Codes," Proc. Eurocrypt '88, Davos, 1988, (8: GUN-89), pp. 57-75.

Key Words: authentication, codes.

DES-89
Desmedt, Y.G.
"Making Conditionally Secure Cryptosystems Unconditionally Abuse-Free in a General Context," Proc. Crypto '89, Santa Barbara, CA, (8: BRA-90), 1989.

Key Words: methods, design.

DIF-81
Diffie, W.
"Cryptographic Technology: Fifteen Year Forecast," Proc. Crypto '81, Santa Barbara, CA, 1981, (8: GER-82), pp. 84-108.

Key Words: methods, gneral.

DIF-88
Diffie, W.
"The First Ten Years of Public-Key Cryptography," Proceedings of the IEEE, May 1988, pp. 560-577.

Key Words: public-key, methods.

DOL-81
Dolev, D., A.C. Yao
"On the Security of Public Key Protocols," Proc., 22nd Annual Symp. on the Foundations of Comp. Sci., 1981.

Key Words: analysis, public-key.

DOL-82
Dolev, D., and A. Wigderson
"On the Security of Multi-Party Protocols in Distributed Systems," Proc. Crypto '82, Santa Barbara, CA, 1982, (8: CHA-83b), pp. 167-175.

Key Words: analysis, protocols.

DOL-82a
Dolev, D., S. Even, and R.M. Karp
"On the Security of Ping-Pong Algorithms," Proc. Crypto '82, Santa Barbara, CA, 1982, (8: CHA-83b), pp. 177-186.

Key Words: analysis, algorithms.

DOL-83
Dolev, D., and A.C. Yao
"On the Security of Public-key Protocols," IEEE Trans. on Inform. Theory, March 1983, pp. 198-208.

Key Words: analysis, protocols.

EIE-83
Eier, R., and H. Lagger "Trapdoors in Knapsack Cryptosystems," Proc. Burg Feuerstein Conf., 1982, (8: BET-83), pp. 316-322.

Key Words: analysis, knapsack.

ELG-82
ElGamal, T. "A Public-key Cryptosystem and a Signature Scheme Based on Discrete Logarithms," Proc. Crypto '84, Santa Barbara, CA, 1984, (8: BLA-84a), pp. 10-18.

Key Words: methods, signatures.

ELG-85
ElGamal, T. "A Public-key Cryptosystem and Signature Scheme Based on Discrete Logarithms," IEEE Trans. on Inform. Theory, July 1985, pp. 469-472.

Key Words: methods, signatures.

ELK-83
El-Kateeb, A., and S. Al-Khayatt "Public-key Cryptosystems," Information Age (UK), October 1983, pp. 232-237.

Key Words: publi-key, general.

ESC-84
Escobar, C.B. "Nongovernmental Cryptology and National Security: The Government Seeking to Restrict Research," Computer/Law Journal, Winter 1984, pp. 573-603.

Key Words: policy, research.

EST-85
Estes, D., et al. "Breaking the Ong-Schorr-Shamir Signature Scheme for Quadratic Number Fields," Proc. Crypto '85, Santa Barbara, CA, 1985, (8: WIL-86), pp. 3-13.

Key Words: analysis, signatures.

EVE-82
Even, S., O. Goldreich, and A. Lempel "A Randomized Protocol for Signing Contracts" Proc. Crypto '82, Santa Barbara, CA, 1982, (8: CHA-83b), pp. 205-210.

Key Words: signatures, random, protocols.

EVE-85
Even, S., O. Goldreich, and A. Shamir "On the Security of Ping-Pong Protocols when Implemented Using the RSA," Proc. Crypto '85, Santa Barbara, CA, 1985, (8: WIL-86), pp. 58-72.

Key Words: RSA, analysis, protocols.

EVE-85a
Even, S., and O. Goldreich "On the Power of Cascade Ciphers," ACM Trans. on Computer Systems, 1985, pp. 108-116.

Key Words: evaluation, methods.

EVE-85b
Even, S., O. Goldreich, and A. Lempel "A Randomized Protocol for Signing Contracts," Communications of the ACM, June 1985, pp. 637-647.

Key Words: siagnatures, random.

EVE-87
Evertse, J.-H. "Linear Structures in Block Ciphers," Proc. Eurocrypt '87, Amsterdam, 1987, (CHA-88a), pp. 249-266.

Key Words: analysis, methods.

EVE-89
Even, S., O. Goldreich, and S. Micali "On Line/Off Line Digital Signatures," Proc. Crypto '89, Santa Barbara, CA, (8: BRA-90), 1989.

Key Words: signatures, methods.

FAM-83
Fam, B.W. "Improving the Security of Exponential Key Exchange," Proc. Crypto '83, Santa Barbara, CA, 1983, (8: CHA-84b), pp. 359-368.

Key Words: methods, keys.

FEI-85
Feigenbaum, J. "Encrypting Problem Instances," Proc. Crypto '85, Santa Barbara, CA, 1985, (8: WIL-86), pp. 477-488.

Key Words: methods, theory.

FEI-88
Feige, U., A. Fiat, and A. Shamir "Zero-Knowledge Proofs of Identity," Journal of Cryptology, Vol. 1, No. 2, 1988, pp. 77-94.

Key Words: authentication, zero.

FEL-85
Fell, H., and W.Diffie "Analysis of a Public-key Approach Based on Polynomial Substitution," Proc. Crypto '85, Santa Barbara, CA, 1985, (8: WIL-86), pp. 340-349.

Key Words: analysis, public-key.

FEL-87

Feldman, P.
"A Practical Scheme for Non-Interactive Verifiable Secret Sharing," Proc., 28th IEEE Annual Symp. on the Foundation of Comp. Science, 1987, pp. 427-437.

Key Words: methods, protocols.

FIA-86

Fiat, A., and A. Shamir
"How to Prove Yourself: Practical Solutions to Identification and Signature Problems," Proc. Crypto '86, Santa Barbara, CA, 1986, (8: ODL-87), pp. 186-194.

Key Words: signatures, methods.

FIS-81

Fischer, E.
"Measuring Cryptographic Performance with Production Processes," Cryptologia, July 1981, pp. 158-162.

Key Words: evaluation, methods.

FOR-84

Fortune, S.
"Poker Protocols," Proc. Crypto '84, Santa Barbara, CA, 1984, (8: BLA-84a), pp. 454-464.

Key Words: protocols, case.

FOS-82

Foster, C.C.
Cryptanalysis for Microcomputers, Hayden Book Co., Rochelle Park, NJ, 1982.

Key Words: book, PC, methods.

GAL-85

Galil, Z., S. Haber, and M. Yung
"Symmetric Public-Key Encryption," Proc. Crypto '85, Santa Barbara, CA, 1985, (8: WIL-86), pp. 128-137.

Key Words: public-key, methods.

GAL-85a

Galil, Z., S. Haber, and M. Yung
"A Private Interactive Test of a Boolean Predicate and Minimum-Knowledge Public-Key Cryptosystems," Proc., 26th IEEE Symposium on Foundations of Computing, 1985, pp. 360-371

Key Words: evaluation, public-key.

GEO-89

Georgiu, G.
"A Method to Strengthen Ciphers," Cryptologia, April 1989, pp. 151.

Key Words: methods, techniques.

GER-82

Gersho, A. (Ed.)
Advances in Cryptology: A Report on Crypto 81, August 1981, ECE Rept. No. 82-02, University of California, Santa Barbara, CA, August 20, 1982.

Key Words: proceedings, methods.

GIF-82

Gifford, D.K.
"Cryptographic Sealing for Information Security and Authentication," Communications of the ACM, April 1982, pp. 274-286.

Key Words: authentication, methods.

GIR-88

Girault, M., R. Cohen, and M. Campana
"A Generalized Birthday Attack," Proc. Eurocrypt '88, Davos, 1988, (8: GUN-89), pp. 129-156.

Key Words: analysis, threat.

GOD-85

Godlewski, P., and G.D. Cohen
"Some Cryptographic Aspects of Womcodes," Proc. Crypto '85, Santa Barbara, CA, 1985, (8: WIL-86), pp. 458-467.

Key Words: methods, codes.

GOL-82

Goldwasser, S., S. Micali, and A. Yao
"On Signatures and Authentication," Proc. Crypto '82, Santa Barbara, CA, 1982, (8: CHA-83b), pp. 211-215.

Key Words: signatures,

GOL-82a

Goldwasser, S., and S. Micali
"Probabilistic Encryption and How to Play Mental Poker Keeping Secret All Partial Information," Proceedings, 14th Annual ACM Symp. on Theory of Computing, May 1982, pp. 365-377.

Key Words: methods, protocols.

GOL-82b

Goldwasser, S., S. Micali, and P. Tong
"How to Establish a Private Code on a Public Network," Proceedings, 23d Annual IEEE Symposium on Foundations of Computing, 1982, pp. 134-144.

Key Words: methods, codes.

GOL-83
Goldreich, O.
"A Simple Protocol for Signing Protocols," Proc. Crypto ’83, Santa Barbara, CA, 1983, (8: CHA-84b), pp. 133-135.

Key Words: signatures, protocols.

GOL-83a
Goldwasser, S., S. Micali, and A. Yao
"Strong Signature Schems," Proc., 15th Annual ACM Symp. on Theory of Comp., 1983, pp. 431-439.

Key Words: methods, signatures.

GOL-84
Goldreich, O., S. Goldwasser, and S. Micali
"On the Cryptographic Applications of Random Functions," Proc. Crypto ’84, Santa Barbara, CA, 1984, (8: BLA-84a), pp. 276-288.

Key Words: methods, random.

GOL-84a
Goldreich, O.
"On Concurrent Identification Protocols," Proc. Eurocrypt ’84, Paris, 1984, (8: BET-85), pp. 387-396.

Key Words: methods, protocols.

GOL-84b
Goldwasser, S., and S. Micali
"Probabilistic Encryption," Journal of Comp. and System Science, April 1984, pp. 270-299.

Key Words: methods, theory.

GOL-85
Goldwasser, S., S. Micali, and R.L. Rivest
"A ‘Paradoxical’ Solution to the Signature Problem," Proc., 25d Annual IEEE Symp.on Found. of Comp., 1984, pp. 441-448.

Key Words: signatures, theory.

GOL-86
Goldreich, O.
"Two Remarks Concerning the Goldwasser-Micali-Rivest Signature Scheme" Proc. Crypto ’86, Santa Barbara, CA, 1986, (8: ODL-87), pp. 104-110.

Key Words: analysis, signatures.

GOL-86a
Goldreich, O., S. Micali, and A. Wigderson
"How to Prove All NP Statements in Zero-Knowledge and Methodology of Cryptographic Protocol Design," Proc. Crypto ’86, Santa Barbara, CA, 1986, (8: ODL-87), pp. 171-185.

Key Words: protocols, zero.

GOL-86b
Goldreich, O.
"Toward a Theory of Software Protection," Proc. Crypto ’86, Santa Barbara, CA, 1986, (8: ODL-87), pp. 426-439.

Key Words: software, theory.

GOL-87
Goldreich, O.
"Towards a Theory of Software Protection and Simulation by Oblivious RAMs," Proceedings, 19th ACM Symposium on Theory of Computing, 1987, pp. 182-194.

Key Words: theory, software.

GOL-87a
Goldreich, O., and R. Vainish
"How to Solve a Protocol Problem: An Efficiency Improvement," Proc. Crypto ’87, Santa Barbara, CA, 1987, (8: POM-88), pp. 73-86

Key Words: methods, protocols.

GOL-89
Goldwasser, S., et al.
"Efficient Identification Schemes Using Two Prover Interactive Proofs," Proc. Crypto ’89, Santa Barbara, CA, (8: BRA-90), 1989.

Key Words: authentication, methods.

GOO-84
Goodman, R.M.F., and A.J. McAuley
"A New Trapdoor Knapsack Public-key Cryptosystem," Proc. Eurocrypt ’84, Paris, 1984, (8: BET-85), pp. 150-158.

Key Words: public-key, knapsack.

GOR-81
Gordon, J.A.
"Towards a Design for Cryptosecure Susbstitution Boxes," Proc. Crypto ’81, Santa Barbara, CA, 1981, (8: GER-82), pp. 53-63.

Key Words: methods, design.

GRO-84
Groscot, H.
"Estimation of Some Encryption Functions Implemented into Smart Cards," Proc. Eurocrypt ’84, Paris, 1984, (8: BET-85), pp. 470-479.

Key Words: analysis, methods.

GUA-87
Guam, P.
"Cellular Automaton Public Key Cryptosystem," Complex Systems, 1987, pp. 51-56.

Key Words: methods, case.

GUI-88
Guillou, L.C., and
J. Quisquater
"A Practical Zero-Knowledge Protocol Fitted to Security Microprocessor Minimizing Both Transmission and Memory," Proc. Eurocrypt '88, Davos, 1988, (8: GUN-89), pp. 123-128.

Key Words: design protocols, zero.

GUI-89
Guillou, L., et al.
"Public-Key Techniques: Randomness and Redundancy," Cryptologia, April 1989, pp. 167.

Key Words: public-key, random

GUN-88
Gunther, C.G.
"A Universal Algorithm for Homophonic Coding," Proc. Eurocrypt '88, Davos, 1988, (8: GUN-89), pp. 405-414.

Key Words: algorithms, coding.

GUN-89
Gunther, C.G.
Advances in Cryptology: Eurocrypt '88 Proceedings, Davos, Switzerland, May 1988, Lecture Notes in Comp. Science No. 330, Springer-Verlag, New York, 1989.

Key Words: proceedings, general.

HAR-83
Harari, S.
"Secret Sharing Systems in Digital Communications," in Longo, G. (Ed.), Secure Digital Systems, Springer, Wien, 1983, pp. 105-110.

Key Words: techniques, design.

HAR-84
Harari, S.
"Non-Linear Non-Commutative Functions for Data Integrity," Proc. Eurocrypt '84, Paris, 1984, (8: BET-85), pp. 25-32.

Key Words: integrity, theory.

HAR-89
Harn, L., and T. Keisler
"Two New Efficient Cryptosystems Based on Rabin's Scheme: Alternatives to the RSA Cryptosystem," Proc. 5th Security Applicat. Conf., (4: IEE-89c), 1989, pp. 254-262.

Key Words: methods, public-key.

HEL-80
Hellman, M.E.
"A Cryptoanalytic Time-Memory Tradeoff," IEEE Trans. on Inform. Theory, July 1980, pp. 401-406.

Key Words: analysis, design.

HEL-81
"On the Necessity of Cryptoanalytic Exhaustive Search," Proc. Crypto '81, Santa Barbara, CA, 1981, (8: GER-82), pp. 1-5.

Key Words: analysis, methods.

HEL-82
Hellman, M.E., and
J.M. Reyneri
"Distribution of Drainage in DES," Proc. Crypto '82, Santa Barbara, CA, 1982, (8: CHA-83b), pp. 129-131.

Key Words: DES, design, methods.

HEN-81
Henry, P.S.
"Fast Encryption Algorithm for the Knapsack Cryptographic System," Bell System Technical Journal, May-June 1981, pp. 767-773.

Key Words: algorithm, knapsack.

HEP-86
Hepshey, J.E., R.K. Yarlanda
Data Encryption and Protection, Plenum Press, New York, 1986.

Key Words: book, general.

HER-83
Herlestam, T.
"On the Complexity of Certain Crypto Generators," Proc. IFIP/Sec. '83, Stockholm, 1983, (2: FAK-83), pp. 305-308.

Key Words: complexity, methods.

HUA-88
Huang, Y.J., and F. Cohen
"Some Weak Points of One Fast Cryptographic Checksum Algorithm and Its Improvement," Computers & Security, October 1988, pp. 503-505.

Key Words: vulnerabilities, algorithms, check-sum.

IMP-87
Impagliazzo, R.,
and M. Yung
"Direct Minimum-Knowledge Computations," Proc. Crypto '87, Santa Barbara, CA, 1987, (8: POM-88), pp. 40-51

Key Words: methods, zero.

ING-81
Ingemarsson, I., and C.K. Wong "A User Authentication Scheme for Shared Data Based on a Trap-Door One-Way Function," Information Processing Letters, April 13, 1981, pp. 63-67.

Key Words: authentication, trap-door, methods.

ING-82
Ingemarsson, I., D.T. Tang, and C.K. Wong "A Conference Key Distribution System" IEEE Trans. on Inform. Theory, 1982, pp. 714-720.

Key Words: methods, keys, case.

JAM-86
James, N.S., R. Lidl, and H. Niederreiter "Breaking the Cade Cipher," Proc. Crypto '86, Santa Barbara, CA, 1986, (8: ODL-87), pp. 60-63.

Key Words: analysis, case.

JAM-88
Jamnig, P. "Securing the RSA-Cryptosystem Against Cycling Attacks," Cryptologia, July 1988, pp. 159-164.

Key Words: RSA, analysis, threats.

JAN-82
Janardan, R., and K.B. Lakshmanan "A Public-Key Cryptosystem Based on the Matrix Cover NP-Complete Problem," Proc. Crypto '82, Santa Barbara, CA, 1982, (8: CHA-83b), pp. 21-37.

Key Words: public-key, methods.

JAN-87
Jansen, C.J.A., and D.E. Boekee "Modes of Block Cipher Algorithms and Their Protection Against Active Eavesdropper," Proc. Eurocrypt '87, Amsterdam, 1987, (8: CHA-88a), pp. 281-286.

Key Words: therats, methods, algorithms.

JIN-88
Jingmin, H., and L. Kaicheng "A New Probabilistic Encryption Scheme," Proc. Eurocrypt '88, Davos, 1988, (8: GUN-89), pp. 413-418.

Key Words: methods, design.

JOR-81
Jordan, J.P. "A Variant of a Public-key Cryptosystem Based on Goppa Codes," Proc. Crypto '81, Santa Barbara, CA, 1981, (8: GER-82), pp. 25-30.

Key Words: methods, public-key.

JOR-87
Jorissen, F., J. Vandewalle, and R. Govaerts "Extension of Brickell's Algorithm for Breaking High Density Knapsacks," Proc. Eurocrypt '87, Amsterdam, 1987, (8: CHA-88a), pp. 109-115.

Key Words: analysis, algorithms.

JUE-82
Jueneman, R.R. "Analysis of Certain Aspects of Output Feedback Mode," Proc. Crypto '82, Santa Barbara, CA, 1982, (8: CHA-83b), pp. 99-127.

Key Words: DES, analysis, design.

JUE-83
Jueneman, R.R., S.M. Matyas, and C.H. Meyer, "Authentication with Manipulation Detection Codes," Proc. 1983 IEEE Symp. Sec. & Priv., (5: IEE-83a), pp. 33-54.

Key Words: authentication, codes.

JUE-86
Juenemam, R.R. "A High Speed Manipulation Detection Code," Proc. Crypto '86, Santa Barbara, CA, 1986, (8: ODL-87), pp. 327-346.

Key Words: methods, codes, threats.

JUR-83
Jurgensen, H., and D.E. Matthews "Some Results on the Information Theoretic Analyses of Cryptosystems," Proc. Crypto '83, Santa Barbara, CA, 1983, (8: CHA-84b), pp. 303-356.

Key Words: analysis, theory, design.

KAH-80
Kahn, D. "Cryptography Goes Public," IEEE Communications Magazine, March 1980, pp. 19-28.

Key Words: public-key, general.

KAH-82
Kahn, D. "The Grand Lines of Cryptology's Development," Computers & Security, November 1982, pp. 245-248.

Key Words: methods, general.

KAH-84
Kahn, D. Kahn on Codes, Macmillan, New York, 1984.

Key Words: book, general.

KAH-84a
Kahn, D.
"Cryptology and the Origins of Spread Spectrum," IEEE Spectrum, September 1984, pp. 70-80

Key Words: methods, general.

KAK-83
Kak, S.C.
"Joint Encryption and Error Correction," Proc. 1983 IEEE Symp. Sec. & Privacy, (5: IEE-83a), pp. 55-60.

Key Words: methods, codes.

KAK-84
Kak, S.C.
"On the Method of Puzzles for Key Distribution," Internat. Journal of Computer and Information Science, April 1984, pp. 103-109.

Key Words: methods, keys.

KAL-84
Kaliski, B.S.
"Wyner's Analog Encryption Scheme: Results of a Simulation," Proc. Crypto '84, Santa Barbara, CA, 1984, (8: BLA-84a), pp. 83-94.

Key Words:

KAL-85
Kaliski, B.S., Jr., R.L. Rivest, and A.T. Sherman
"Is the Data Encryption Standard a Group?," Journal of Cryptology, Vol. 1, No. 1, 1988, pp. 3-36.

Key Words: DES, design, theory.

KAL-85a
Kaliski, B.S. Jr, R.L. Rivest and A.T. Sherman
"Is DES a Pure Cipher?," Proc. Crypto '85, Santa Barbara, CA, 1985, (8: WIL-86), pp. 212-226.

Key Words: DES, design, theory.

KAR-83
Karnin, E.D., et al.
"On Secret Sharing Systems," IEEE Trans. on Inform. Theory, 1983, pp. 35-41.

Key Words: methods, general.

KAR-84
Karnin, E.D.
"A Parallel Algorithm for the Knapsack Problem," IEEE Trans. on Computers, May 1984, pp. 404-408.

Key Words: algorithm, knapsack.

KES-88
Kesim, S.N.
"Encryption: Security with Ciphers," Security Management, October 1988, pp. 45-47.

Key Words: methods, general.

KOB-87
Koblitz, N.
A Course in Number Theory and Cryptography, Springer, New York, 1987.

Key Words: book, general.

KOB-87a
Koblitz, N.
"Elliptic Curve Cryptosystems," Mathematics of Computation, 1987, pp. 203-209.

Key Words: methods, theory.

KOB-89
Koblitz, N.
"Hyperelliptic Cryptosystem," Journal of Cryptology, Vol. 1, No. 3, 1989, pp. 139-150.

Key Words: methods, theory.

KON-80
Konheim, A.G., et al.
"The IPS Cryptographic Programs," IBM Systems Journal, Vol. 19, No. 2, 1980, pp. 153-283.

Key Words: methods, software.

KON-81
Konheim, A.G.
Cryptography - A Primer, J. Wiley & Sons, New York, 1981.

Key Words: book, general.

KON-84
Konheim, A.G.
"Cryptanalysis of ADFGVX Encryption Systems," Proc. Crypto '84, Santa Barbara, CA, 1984, (8: BLA-84a), pp. 339-341.

Key Words: analysis, method, case.

KOT-84
Kothari, S.C.
"Generalized Linear Threshold Scheme," Proc. Crypto '84, Santa Barbara, CA, 1984, (8: BLA-84a), pp. 231-241.

Key Words: methods, theory.

KOY-87
Koyama, K., and K. Ohta
"Identity-Based Conference Key Distribution Systems," Proc. Crypto '87, Santa Barbara, CA, 1987, (8: POM-88), pp. 175-184.

Key Words: methods, keys.

KOY-88
Koyama, K., and K. Ohta
"Security of Improved Identity-Based Key Distribution System," Proc. Eurocrypt-87, pp. 11-19.

Key Words: methods, keys.

KRA-86
Kranakis, E.
Primality and Cryptography, Wiley, New York, 1986.

Key Words: book, general.

KUR-88
Kurosawa, K., T. Ito, and M. Takeuchi "Public Key Cryptosystem Using a Reciprocal Number with the Same Intractability as Factoring a Large Number," Cryptologia, October 1988, pp. 225-233.

Key Words: methods, public-key.

LAG-83
Lagarias, J.C. "Knapsack Public Key Cryptosystems and Diophantine Approximations," Proc. Crypto '83, Santa Barbara, CA, 1983, (8: CHA-84b), pp. 4-23.

Key Words: public-key, knapsack.

LAI-89
Laih, C.-S., et al. "Linearly Shift Knapsack Public Key Cryptosystem," IEEE Journal on Selected Areas in Communications, May 1989, pp. 534-539.

Key Words: methods, knapsack.

LAK-83
Laksmivarahan, S. "Algorithms for Public-Key Cryptosystems: Theory and Applications," in M. Yovits, (Ed.), Advances in Computers, Vol. 22, Academic Press, New York, 1983, pp. 45-108.

Key Words: public-key, methods.

LAM-81
Lamport, L. "Pasword Authentication with Insecure Communications," Communications of the ACM, November 1981, pp. 770-772.

Key Words: authentication.

LEE-88
Lee, P.J., and E.F. Brickell "An Observation on the Security of McElice's Public-Key Cryptosystem, Proc. Eurocrypt '88, Davos, 1988 (8: GUN-89), pp. 275-280.

Key Words: analysis, public-key.

LEI-84
Leighton, A.C., and S.M. Matyas "The History of Book Ciphers," Proc. Crypto '84, Santa Barbara, CA, 1984, (8: BLA-84a), pp. 101-113.

Key Words: methods, general.

LEN-81
Lennon, R.E., et al. "Cryptographic Authentication of Time-Invariant Quantities," IEEE Trans. on Communications, June 1981, pp. 773-777.

Key Words: authentication.

LEU-84
Leung, A.K. "Sequenec Complexity as a Test for Cryptographic Systems," Proc. Crypto '84, Santa Barbara, CA, 1984, (8: BLA-84a), pp. 468-474.

Key Words: methods, complexity.

LEV-85
Levin, L. "One-Way Functions and Pseudo-random Generators," Proc., 17th Annual ACM Symp. on Theory of Computing, 1985, pp. 363-365.

Key Words: Methods, one-way,

LEV-87
Levine, J., and R. Chandler "Some Further Applications of Permutation Polynomials," Cryptologia, October 1987, pp. 211-218.

Key Words: methods, theory.

LID-83
Lidl, R., and W.B. Muller "Permutation Polynomials in RSA Cryptosystems," Proc. Crypto '83, Santa Barbara, CA, 1983, (8: CHA-84b), pp. 293-301.

Key Words: RSA, methods, theory.

LID-84
Lidl, R. "On Cryptosystems Based on Polynomials and Finite Fields," Proc. Eurocrypt '84, Paris, 1984, (8: BET-85), pp. 10-15.

Key Words: methods, theory.

LON-82
Longpre, L. "The Use of Public-Key Cryptography for Signing Checks," Proc. Crypto '82, Santa Barbara, CA, 1982, (8: CHA-83b), pp. 187-197.

Key Words: signatures, public-key.

LUB-87
Luby, M., and C. Rackoff "A Study of Password Security," Proc. Crypto '87, Santa Barbara, CA, 1987, (8: POM-88), pp. 392-397.

Key Words: methods, general.

MAD-84
Madryga, W.E. "A High Performance Encryption Algorithm," Proc. IFIP/Sec. '84, Toronto, 1984, (2: FIN-85), pp. 557-570.

Key Words: methods, algorithm.

MAG-89
Magliveras, S.S., and N.D. Memon "Algebraic Properties of the PGM Cryptosystem" Proc. Crypto '89, Santa Barbara, CA, 1989 (8: BRA-89).

Key Words: methods, theory, case.

MAS-84
Massey, J.L., and
R.A. Rueppel
"Linear Ciphers and Random Sequence Generators with Multiple Clocks," Proc. Eurocrypt '84, Paris, 1984, (8: BET-85), pp. 74-87.

Key Words: methods, design.

MAS-88
Massey, J.L.
"An Introduction to Contemporary Cryptology," Proceedings of the IEEE, May 1988, pp. 533-549.

Key Words: methods, theory, general.

MAT-86
Matyas, S.M.
"Public Key Registration," Proc. Crypto '86, Santa Barbara, CA, 1986, (8: ODL-87), pp. 451-458.

Key Words: methods, public-key.

MAT-88
Matsumoto, T., and H. Imai
"Public Quadratic Polynomial-Tuples for Efficient Signature Verification and Message Encryption," Proc. Eurocrypt '88, Davos, 1988, (8: GUN-89), pp. 419-453.

Key Words: methods, signatures.

MCC-88
McCurley, K.S.
"A Key Distribution System Equivalent to Factoring," Journal of Cryptology, Vol. 1, No. 2, 1988, pp. 95-105.

Key Words: methods, keys, case.

MCE-81
McElicie, R.J., and
D.V. Sarwate
"On Sharing Secrets and Reed-Solomon Codes," Communications of the ACM, September 1981, pp. 583-584.

Key Words: theory, codes.

MEA-87
Meadows, C., and
D. Mutchler
"Matching Secrets in the Absence of a Continuously Available Trusted Authority," IEEE Trans. on Software Engr., February 1987, pp. 289-292.

Key Words: methods, protocols.

MEA-88
Meadows, C.,
"Some Threshold Schemes Without Central Key Distribution," Proc. Crypto '88, Santa Barbara, CA, 1988 (8: GOL-89b).

Key Words: methods, keys.

MEI-82
Meijer, H., and S. Akl
"Digital Signature Schemes," Cryptologia, October 1982, pp. 329-338

Key Words: methods, signatures.

MEI-85
Meijer, H., and S. Akl
"Two New Secret Key Cryptosystems," Proc. Eurocrypt '85, Linz, 1985, (8: PIC-86), pp. 96-102.

Key Words: methods, algorithms.

MEI-88
Meier, W., and
O. Staffelbach
"Fast Correlation Attacks on Stream Ciphers," Proc. Eurocrypt '88, Davos, 1988, (8: GUN-89), pp. 301-314.

Key Words: analysis, methods.

MEI-89
Meier, W., and
O. Staffelbach
"Fast Correlation Attacks on Certain Stream Ciphers," Journal of Cryptology, Vol. 1, No. 3, 1989, pp. 159-176.

Key Words: analysis, methods.

MER-80
Merkle, R.C.
"Protocols for Public Key Cryptosystems," Proc. 1980 IEEE Symp. Sec. & Privacy, (5: IEE-80), pp. 122-134.

Key Words: protocols, public-key.

MER-81
Merkle, R.C.
"On the Security of Multiple Encryptions," Communications of the ACM, July 1981, pp. 465-467.

Key Words: analysis, methods.

MER-82
Merritt, M.
"Key Reconstruction," Proc. Crypto '82, Santa Barbara, CA, 1982, (8: CHA-83b), pp. 321-375.

Key Words: methods, keys, design.

MER-82a
Merkle, R.C.
Security, Authentication, and Public-Key Systems, University of Michigan Press, Ann Arbor, MI, 1982.

Key Words: book, public-key.

MER-87
Merkle, R.C.
"A Digital Signature Based on a Conventional Encryption Function," Proc. Crypto '87, Santa Barbara, CA, 1987, (8: POM-88), pp. 369-378.

Key Words: methods, signatures.

MER-89
Merkle, R.C.
"A Certified Digital Signature," Proc. Crypto '89, Santa Barbara, CA, 1989, (8: BRA-89).

Key Words: signatures, case.

MER-89a
Merkle, R.C.
"One Way Hash Functions and the DES," Proc. Crypto '89, Santa Barbara, CA, 1989, (8: BRA-89).

Key Words: DES, methods, design.

MEY-82
Meyer, C.H., and S.M. Matyas
Cryptography - A New Dimension in Computer Data Security, J. Wiley & Sons, New York, 1982.

Key Words: book, general, theory, methods, keys.

MIC-86
Micali, S., et al.
"The Notion of Security for Probabilistic Cryptosystems," Proc. Crypto '86, Santa Barbara, CA, 1986, (8: ODL-87), pp. 381-392.

Key Words: methods, theory.

MIC-89
Micali, S.
"Digital Signatures: The Evolution of a Fundamental Primitive," Proc. Crypto '89, Santa Barbara, CA, 1989, (8: BRA-89).

Key Words: signatures, theory.

MIL-85
Miller, V.S.
"Use of Elliptic Curves in Cryptography," Proc. Crypto '85, Santa Barbara, CA, 1985, (8: WIL-86), pp. 415-426.

Key Words: methods, theory.

MOO-85
Moore, T.E., and S.E. Tavares
"A Layered Approach to the Design of Private Key Cryptosystems," Proc. Crypto '85, Santa Barbara, CA, 1985, (8: WIL-86), pp. 227-245.

Key Words: methods, design, case.

MOO-86
Moore, J.H., and G.J. Simmons
"Cycle Structures of the DES with Weak and Semiweak Keys," Proc. Crypto '86, Santa Barbara, CA, 1986, (8: ODL-87), pp. 187-205.

Key Words: DES, analysis, design.

MOO-87
Moore, J.H., and G.J. Simmons
"Cycle Structure of the DES for Keys Having Palindromic (or Anti-palindromic) Sequences of Keys," IEEE Trans. of Software Engr., February 1987, pp. 262-273.

Key Words: DES, analysis, design.

MOR-81
Morrison, D.R.
"Subtractive Encryptors -- Alternatives to the DES," Proc. Crypto '81, Santa Barbara, CA, 1981, (8: GER-82), pp. 42-52.

Key Words: DES, methods, case.

MUL-84
Mullin, A.A.
"A Note on the Mathematics of Public-Key Cryptosystems," Computers & Security, February 1984, pp. 45-47.

Key Words: public-key, theory.

NIE-85
Niederreiter, H.
"A Public-Key Cryptosystem Based on Shift Register Sequences," Proc. Eurocrypt '85, Linz, 1985, (8: PIC-86), pp. 35-39.

Key Words: methods, public-key.

OCO-87
O'Connor, L.J. and J. Seberry
The Cryptographic Significance of the Knapsack Problem, Aegean Park Press, Laguna Hills, CA, 1987.

Key Words: book, knapsack, analysis, theory.

ODL-84
Odlyzko, A.M.
"Cryptanalytic Attacks on the Multiplicative Knapsack Cryptosystem and on Shamir's Fast Signature System, IEEE Trans. on Inform. Theory, July 1984, pp. 594-601.

Key Words: analysis, knapsack, signatures.

ODL-84a
Odlyzko, A.M.
"Discrete Logarithms in Finite Fields and Their Cryptographic Significance," Proc. Eurocrypt '84, Paris, 1984, (8: BET-85), pp. 225-314.

Key Words: methods, theory.

ODL-87
Odlyzko, A.M., (Ed.)
Advances in Cryptology, Proceedings of Crypto '86, Santa Barbara, CA, August 1988, Lecture Notes in Computer Science No. 263, Springer-Verlag, New York, 1987.

Key Words: proceedings, general.

OKA-85
Okamoto, T., and A. Shiraishi
"A Fast Signature Scheme Based on Quadratic Inequalities," Proc. 1985 IEEE Symp. Sec. & Privacy, 1985, (5: IEE-85), pp. 123-133.

Key Words: methods, signatures.

OKA-85a
Okamoto, E., and K. Nakamura
"Lifetimes of Keys in Cryptographic Key Management Systems," Proc. Crypto '85, Santa Barbara, CA, 1985, (8: WIL-86), pp. 246-259.

Key Words: keys, management.

OKA-86
Okamoto, E.
"Proposal for Identity-Based Key Distribution Systems," Electronics Letters, Nov. 20, 1986, pp. 1283-1284.

Key Words: methods, keys.

OKA-87
Okamoto, E.
"Key Distribution Systems Based on Identification Information," Proc. Crypto '87, Santa Barbara, CA, 1987, (8: POM-88), pp. 194-202.

Key Words: keys, management.

OKA-88
Okamoto, E.
"Substantial Number of Cryptographic Keys and Its Application to Encryption Design," Proc. Eurocrypt '88, Davos, 1988, (8: GUN-89), pp. 361-373

Key Words: methods, keys, design.

OKA-88a
Okamoto, T.
"A Digital Multisignature Scheme Using Bijective PublicKey Cryptosystems," ACM Trans. on Computer Systems, November 1988, pp. 432-441.

Key Words: methods, signatures.

OKA-89
Okamoto, E., and K. Ohta
"Disposable Zero-Knowledge Authentications and Their Application to Untraceable Electronic Cash," Proc. Crypto '89, Santa Barbara, CA, 1989 (8: BRA-89).

Key Words: methods, zero, design.

ONG-83
Ong, H., and C.P. Schorr
"Signatures through Approximate Representations by Quadratic Forms," Proc. Crypto '83, Santa Barbara, CA, 1983, (8: CHA-84b), pp. 117-132.

Key Words: methods, signatures.

ONG-84
Ong, H., C. Schnorr, and A. Shamir
"Efficient Signature Schemes Based on Polynomial Equations," Proc. Crypto '84, Santa Barbara, CA, 1984, (8: BLA-84a), pp. 37-46.

Key Words: methods, signatures.

PAT-87
Patterson, W.
Mathematical Cryptology for Computer Scientists and Mathematicians, Rowman & Littlefield, Totowa, NJ, 1987.

Key Words: book, theory.

PFI-87
Pfitzmann and M. Waidner
"Networks Without User Observability," Computers & Security, April 1987, pp. 158-166.

Key Words: methods, case.

PIC-86
Pichler, F. (Ed.)
Advances in Cryptology: Proceedings of Eurocrypt '85, Linz, Austria, April 1985, Lecture Notes in Comp. Science, No. 219, Springer-Verlag, New York, 1986.

Key Words: proceedings, general.

PIE-84
Pieprzyk, J.P.
"Algebraical Structures of Cryptographic Transformations," Proc. Eurocrypt '84, Paris, 1984, (8: BET-85), pp. 16-24.

Key Words: algorithms, theory.

PIE-85
Pieprzyk, J.P.
"On Public-Key Cryptosystems Built Using Polynomial Rings," Proc. Eurocrypt '85, Linz, 1985, (8: PIC-86), pp. 73-78.

Key Words: methods, public-key.

PIE-85a
Pieprzyk, J.P., D.A. Rutowski
"Modular Design of Information Encipherment for Computer Systems," Computers & Security, September 1985, pp. 211-218.

Key Words: methods, design.

PIE-85b
Pieprzyk, J.P., D.A. Rutkowski "Design of Public Key Cryptosystems Using Idempotent Elements," Computers & Security, December 1985, pp. 297-308.

Key Words: design, public-key.

PIP-89
Piper, F., and M. Walker "Linear Ciphers and Spreads," Journal of Cryptology, Vol. 1, No. 3, 1989, pp. 185-188.

Key Words: methods, theory.

POE-85
Poet, R. "The Design of Special-Purpose Hardware to Factor Large Integers," Computer Physics Communications, 1985, pp. 337-341.

Key Words: analysis, hardware.

POM-83
Pomerance, C., et al., "New Ideas for Factoring Large Integers," Proc. Crypto '83, Santa Barbara, CA, 1983, (8: CHA-84b), pp. 81-86.

Key Words: analysis, algorithms.

POM-85
Pomerance, C. "The Quadratic Sieve Factoring Algorithm," Proc. Eurocrypt '84, Paris, (8: BET-85), pp. 169-182.

Key Words: analysis, algorithms.

POM-88
Pomerance, C., (Ed.) Advances in Cryptology: Proceedings of Crypto '87, Santa Barbara, CA, August 1988, Lecture Notes in Computer Science No. 293, Springer, New York, 1988.

Key Words: proceedings, general.

POR-84
Porter, S. "Cryptology and Number Sequences: Pseudorandom, Random, and Perfectly Random," Computers & Security, February 1984, pp. 43-44.

Key Words: algorithms, theory.

PRE-89
Preneel, B., et al. "A Chosen Text Attack on the Modified Cryptographic Checksum Algorithm of Cohen and Huang," Proc. Crypto '89, Santa Barbara, CA, 1989, (8: BRA-89).

Key Words: analysis, checksum.

PRO-84
Proctor, N. "A Self-Synchronizing Cascaded Cipher System with Dynamic Control of Error Propagation," Proc. Crypto '84, Santa Barbara, CA, 1984, (8: BLA-84a), pp. 174-190.

Key Words: methods, design.

QUI-85
Quisquater, J.-J., Y. Desmedt, and M. Davio "The Importance of 'Good' Key Scheduling Schemes (How to Make a Secure DES Scheme with <48-Bit Keys>?)," Proc. Crypto '85, Santa Barbara, CA, 1985, (8: WIL-86), pp. 537-542.

Key Words: DES, methods, design.

QUI-87
Quisquater, J.-J. "Secret Distribution of Keys for Public-Key Systems," Proc. Crypto '87, Santa Barbara, CA, 1987, (8: POM-88), pp. 203-208.

Key Words: public-key, keys.

QUI-89
Quisquater, J., and J. Delescaille "How Easy Is Collision Search? New Results and Applications to DES," Proc. Crypto '89, Santa Barbara, CA, 1989 (8: BRA-89).

Key Words: DES, methods, design.

QUI-89a
Quisquater, J.-J., and K.Vedder "A Signature with Shared Verification Scheme," Proc. Crypto '89, Santa Barbara, CA, 1989 (8: BRA-89).

Key Words: verification, signature.

QUI-89b
Quisquater, J.-J., (Ed.) Advances in Cryptology: Proceedings of Eurocrypt-89, Houthalen, Belgium, April 10-13, 1989, Lecture Notes in Computer Science, Springer-Verlag, New York, 1989.

Key Words: proceedings, gneral.

RAO-84
Rao, T.R.N. "Joint Encryption and Error Correction Schemes," Proc., 11th Intern. Symp. on Comp. Arch., May 1984.

Key Words: methods, codes.

RAO-86
Rao, T.R.N., and K.-H. Nam "Private-Key Algebraic-Coded Cryptosystems," Proc. Crypto '86, Santa Barbara, CA, 1986, (8: ODL-87), pp. 35-48.

Key Words: methods, codes.

RAO-87
Rao, T.R.N.
"On Struik-Tilburg Cryptanalysis of Rao-Nam Scheme," Proc. Crypto '87, Santa Barbara, CA, 1987, (8: POM-88), pp. 458-461.

Key Words: analysis, methods, case.

RAO-89
Rao, T.R.N., and K.H. Nam
"Private-Key Algebraic-Code Encryptions," IEEE Trans. on Inform. Theory, July 1989, pp. 829-833.

Key Words: methods, codes.

REE-84
Reeds, J.A., and J. Manferdelli
"DES Has No Per Round Linear Factors," Proc. Crypto '84, Santa Barbara, CA, 1984, (8: BLA-84a), pp. 377-389

Key Words: DES, analysis, design.

RIT-81
Ritts, R.R.
"Data Encryption Basics and the Cipher Feedback Method," Telecommunications, June 1981, pp. 39-44.

Key Words: methods, theory.

RIV-82
Rivest, R.L., and A.T. Sherman
"Randomized Encryption Technique," Proc. Crypto '82, Santa Barbara, CA, 1982, (8: CHA-83b), pp. 145-163.

Key Words: methods, design, random.

RIV-84
Rivest, R.L., and A. Shamir
"How to Expose an Eavesdropper," Communications of the ACM, April 1984, pp. 393-395.

Key Words: analysis, threat, methods.

RUB-81
Rubin, F.
"Decrypting a Stream Cipher Based on J-K Flip-Flops," Cryptologia, January 1981, pp. 51-57.

Key Words: analysis, methods.

RUB-87
Rubin, F.
"Foiling an Exhaustive Key-Search Attack," Cryptologia, April 1987, pp. 102-107

Key Words: analysis, methods.

RUE-86
Rueppel, R.
Analysis and Design of Stream Ciphers, Springer Verlag, New York, 1986.

Key Words: book, analysis, design.

RUE-88
Rueppel, R.
"Key Agreements Based on Function Composition," Proc. Eurocrypt '88, Davos, 1988, (8: GUN-89), pp. 3-10.

Key Words: methods, keys.

RUG-84
Ruggiu, G.
"Cryptology and Complexity Theories," Proc. Eurocrypt '84, Paris, 1984, (8: BET-85), pp. 3-9.

Key Words: methods, complexity.

SAL-88
Salomaa, A.
"A Public-Key Cryptosystem Based on Language Theory," Computers & Security, February 1988, pp. 83-87.

Key Words: methods, theory.

SCH-84
Schnorr, C.P., and W. Alexi
"RSA-bits are 0.5 + e Secure," Proc. Eurocrypt '84, Paris, 1984, (8: BET-85), pp. 113-126.

Key Words: RSA, analysis, theory.

SEB-89
Seberry, J., and J. Pieprzyk
Cryptography: An Introduction to Computer Security, Prentice-Hall, New York, 1989

Key Words: book, general.

SGA-83
Sgarro, A.
"Error Probabilities for Simple Substitution Ciphers," IEEE Trans. on Inform. Theory, 1983, pp. 190-198.

Key Words: methods, analysis, theory.

SGA-84
Sgarro,A.
"Equivocations for Homophonic Ciphers," Proc. Eurocrypt '84, Paris, 1984, (8: BET-85), pp. 51-61.

Key Words: methods, theory.

SHA-80
Shamir, A.
"The Cryptographic Security of Compact Knapsacks," Proc. 1980 IEEE Symp. Sec. & Privacy, (5: IEE-80), pp. 94-98

Key Words: analysis, knapsack.

SHA-80
Shamir, A.,,and R.E. Zippel "On the Security of the Merkle-Hellman Cryptographic Systems," IEEE Trans. on Inform. Theory, May 1980, pp. 339-340.

Key Words: analysis, knapsack.

SHA-81
Shamir, A., R.L. Rivest, and L. Adleman "Mental Poker," in Klarner, D.E. (Ed.), Mathematical Gardner, Wadsworth, NY, 1981, pp. 37-43.

Key Words: methods, protocols.

SHA-83
Shamir, A. "On Generation of Computationally Strong Pseudo-Random Sequences," ACM Trans. on Computer Systems, May 1983, pp. 38-44.

Key Words: algorithms, random.

SHA-84
Shamir, A. "A Polynomial-Time Algorithm for Breaking the Basic Merkle-Hellman Cryptosystem," IEEE Trans. of Inform. Theory, September 1984, pp. 525-530.

Key Words: analysis, algorithm, knapsack.

SHA-84a
Shamir, A. "Identity-Based Cryptosystems and Signature Schemes," Proc. Crypto '84, Santa Barbara, CA, 1984, (8: BLA-84a), pp. 45-53.

Key Words: methods, signatures.

SIE-84
Siegenthaler, T. "Correlation-Immunity of Nonlinear Combining Functions for Cryptographic Applications," IEEE Trans. of Inform. Theory, September 1984, pp. 776-780.

Key Words: algorithms, theory.

SIE-85
Siegenthaler, T. "Decrypting a Class of Sream Ciphers Using Ciphertext Only," IEEE Trans. on Computers, January 1985, pp. 81-85.

Key Words: analysis, methods.

SIM-80
Simmons, G.J. "Secure Communications in the Presence of Pervasive Deceit," Proc. 1980 IEEE Symp. Sec. & Privacy, (5: IEE-80), pp. 84-93.

Key Words: therats, methods.

SIM-81
Simmons, G.J. "A System for Point-of-Sale or Access, User Authntication and Identification," Proc. Crypto '81, Santa Barbara, CA, 1981, (8: GER-82), pp. 31-37.

Key Words: authentication.

SIM-81a
Simmons, G.J. "Half a Loaf Is Better than None: Some Novel Message Integrity Problems," Proc. 1981 IEEE Symp. Sec. & Privacy, (5: IEE-81), pp. 65-69.

Key Words: authentication.

SIM-82
Simmons, G.J., and D. Holdridge "Forward Search as a Cryptanalytic Tool Against Public Key Privacy Channel," Proc. 1982 IEEE Symp. Sec. & Privacy, (5: IEE-82), pp. 117-128.

Key Words:analysis, public-key.

SIM-82a
Simmons, G.J. "A Game Theory Model of Digital Message Authentication," Congressus Numerantium, 1982, pp. 413-424.

Key Words: authentication, models.

SIM-83
Simmons, G.J. "The Prisoners' Problem and the Subliminal Channel," Proc. Crypto '83, Santa Barbara, CA, 1983, (8: CHA-84b), pp. 51-67.

Key Words: analysis, methods.

SIM-83a
Simmons, G.J. "Verification of Treaty Compliance Revisited," Proc. 1983 IEEE Symp. Sec. & Privacy, (5: IEE-83a), pp. 61-66.

Key Words: verification, methods.

SIM-84
Simmons, G.J. "Authentication Theory/Coding Theory," Proc. Crypto '84, Santa Barbara, CA, 1984, (8: BLA-84a), pp. 411-431.

Key Words: authentication, codes, theory.

SIM-84a
Simmons, G.J.
"The Subliminal Channel and Digital Signatures," Proc. Eurocrypt '84, Paris, 1984, (8: BET-85), pp. 364-378.

Key Words: theory, signaturtes

SIM-84b
Simmons, G.J.
"Message Authentication: A Game on Hypergraphs," Congressus Numerantium, 1984, pp. 161-192.

Key Words: models, authentication.

SIM-85
Simmons, G.J.
"A Secure Subliminal Channel (?)" Proc. Crypto '85, Santa Barbara, CA, 1985, (8: WIL-86), pp. 33-41.

Key Words: methods, theory.

SIM-85a
Simmons, G.J.
"How to (Selectively) Broadcast a Secret," Proc. 1985 IEEE Symp. Sec. & Privacy, (5: IEE-85), pp. 108-113.

Key Words: methods, protocols.

SIM-86
Simmons, G.J.
"Cryptology," Encyclopedia Britannica, Encyclopaedia Britannica, Inc., Chigaco, IL, 1986, pp. 913-924B.

Key Words: methods, general.

SIM-87
Simmons, G.J.
"An Impersonation-Proof Identity Verification Scheme," Proc. Crypto '87, Santa Barbara, CA, 1987, (8: POM-88), pp. 211-215.

Key Words: authentication, case.

SIM-87a
Simmons, G.J.
"A Natural Taxonomy for Digital Information Authentication Schemes," Proc. Crypto '87, Santa Barbara, CA, 1987, (8: POM-88), pp. 269-288

Key Words: authentication, theory.

SIM-88
Simmons, G.J.
"Authentication Codes that Permit Arbitration," Congressus Numerantium, March 1988, pp. 275-290.

Key Words: authentication, codes.

SIM-88a
Simmons, G.J.
"How to (Really) Share a Secret," Proc. Crypto '88, Santa Barbara, CA, 1988 (8: GOL-89b).

Key Words: methods, protocols.

SIM-88b
Simmons, G.J., and
G.B. Purdy
"Zero-Knowledge Proofs of Identity and Veracity of Transaction Receipts," Proc. Eurocrypt '88, Davos, 1988, (8: GUN-89), pp. 35.

Key Words: protocols, zero.

SIM-89
Simmons, G.J.
"Prepositioned Shared Secret and/or Shared Control Schemes," Proc. Eurocrypt '89, Houthalen, 1989, (8: QUI-89).

Key Words: methods, protocols.

SIM-89a
Simmons, G.J.
"A Protocol to Provide Verifiable Proof of Identity and Unforgeable Transaction Receipts," IEEE J. Selected Areas in Comm., May 1989, pp. 435-447.

Key Words: methods, protocols.

SLO-82
Sloane, N.J.A.
"Error-Correcting Codes and Cryptology, Part 1," Cryptologia, April 1982, pp. 128-153.

Key Words: methods, codes.

SLO-82a
Sloane, N.J.A.
"Error-Correcting Codes and Cryptology, Part 2," Cryptologia, July 1982, pp. 258-278.

Key Words: methods, codes.

SME-84
Smeets, B.J.M.
"On the Use of the Binary Multiplying Channel in a Private Communication Channel," Proc. Eurocrypt '84, Paris, 1984, (8: BET-85), 339-348.

Key Words: methods, design.

SME-85
Smeets, B.
"A Comment on Niedereiter's Public-Key Cryptosystem," Proc. Eurocrypt '85, Linz, 1985, (8: PIC-86), pp. 40-42.

Key Words: analysis, public-key.

SPE-83
Spencer, M.E., and
S.E. Tavares
"A Layered Broadcast Cryptographic System," Proc. Crypto '83, Santa Barbara, CA, 1983, (8: CHA-84b), pp. 157-170.

Key Words: methods, case.

STI-87
Stinson, D.R., and S.A. Vanstone "A Combinatorial Approach to Threshold Schemes," Proc. Crypto '87, Santa Barbara, CA, 1987, (8: POM-88), pp. 330-339.

Key Words: methods, keys.

STI-87a
Stinson, D.R. "A Construction of Authentication/Secrecy Codes from Certain Combinatorial Designs," Proc. Crypto '87, Santa Barbara, CA, 1987, (8: POM-88), pp. 255-366.

Key Words: authentication, codes, design, case.

STI-88
Stinson, D.R. "Some Constructions and Bounds for Authentication Codes," Journal of Cryptology, Vol. 1, No. 1, 1988, pp. 37-64.

Key Words: authentication, theory design, codes.

STI-88a
Stinson, D.R. "A Construction for Authentication/Secrecy Codes from Certain Combinatorial Designs," Journal of Cryptology, Vol. 1, No. 2, 1988, pp. 119-127.

Key Words: authentication, codes, design, theory.

STR-87
Struik, R. , and J. van Tilburg "The Rao-Nam Scheme in Insecure Against a Chosen Plaintext Attack," Proc. Crypto '87, Santa Barbara, CA, 1987, (8: POM-88), pp. 445-457.

Key Words: analysis, case.

TAN-87
Tanaka, H. "A Realization Scheme for the Identity-Based Cryptosystem," Proc. Crypto '87, Santa Barbara, CA, 1987, (8: POM-88), pp. 340-349.

Key Words: methods, design.

TED-84
Tedrick, T. "Fair Exchange of Secrets," Proc. Crypto '84, Santa Barbara, CA, 1984, (8: BLA-84a), pp. 434-438.

Key Words: methods, protocols.

TOM-86
Tompa, M., and H. Woll "How to Share a Secret With Cheaters," Proc. Crypto '86, Santa Barbara, CA, 1986, (8: ODL-87), pp. 261-265.

Key Words: methods, protocols.

TSU-89
Tsujii, S., and T. Itoh "An ID-Based Cryptosystem Based on Discrete Logarithm Problem," IEEE Journal on Selected Areas in Communications, May 1989, pp. 467-473.

Key Words: methods, case.

VAL-88
Vallee, B., et al. "How to Break Okamoto's Cryptosystem by Reducing Lattice Bases," Proc. Eurocrypt '88, Davos, 1988, (8: GUN-89), pp. 281-291.

Key Words: analysis, methods.

VAN-85
van Tilborg, J., and D.E. Boekee "Divergence Bounds on Key Encryption and Error Probability in Cryptanalysis," Proc. Crypto '85, Santa Barbara, CA, 1985, (8: WIL-86), pp. 489-513.

Key Words: methods, keys, theory.

VAN-87
van de Graaf, J., and R. Peralta "A Simple and Secure Way to Show the Validity of Your Public Key," Proc. Crypto '87, Santa Barbara, CA, 1987, (8: POM-88), pp. 128-134.

Key Words: methods, public-key.

VAN-88
van Tilborg, J. An Introduction to Cryptology, Kluwer Academic Publishers, Norwell, MA, 1988.

Key Words: book, general.

VAR-85
Varadharajan, V. "Extension of RSA Cryptosystems to Matrix Rings," Cryptologia, April 1985, pp. 140-153.

Key Words: RSA, theory, case.

VAR-85a
Varadharajan, V. "Trapdoor Rings and Their Use in Cryptography," Proc. Crypto '85, Santa Barbara, CA, 1985, (8: WIL-86), pp. 369-395.

Key Words: methods, theory.

WAG-84
Wagner, N.R. "A Public-Key Cryptosystem Based on the Word Problem," Proc. Crypto '84, Santa Barbara, CA, 1984, (8: BLA-84a), pp. 19-36.

Key Words: methods, case.

WAG-84a
Wagner, N.
"Search for Public-Key Cryptosystems," Proc. Crypto '84, Santa Barbara, CA, 1984, (8: BLA-84a), pp. 91-98.

Key Words: methods, public-key.

WAG-85
Wagner, N.R., P.S. Putter, and M.R. Cain
"Using Algorithms as Keys in Stream Ciphers," Proc. Eurocrypt '85, Linz, 1985, (8: PIC-86), pp. 149-155.

Key Words: methods, keys.

WAG-86
Wagner, N.
"Large-Scale Randomization Techniques," Proc. Crypto '86, Santa Barbara, CA, 1986, (8: ODL-87), pp. 393-404.

Key Words: methods, random.

WEB-85
Webster, A.F., and S.E. Tavares
"On the Design of S-Boxes," Proc. Crypto '85, Santa Barbara, CA, 1985, (8: WIL-86), pp. 523-534.

Key Words: DES, analysis, design.

WEI-83
Weingarten, F.W.
"Controlling Cryptographic Publication," Computers & Security, Jan. 1983, pp. 41-48.

Key Words: policy, research.

WIL-80
Williams, H.C.
"A Modification of the RSA Public-Key Cryptosystem," IEEE Trans. on Inform. Theory, November 1980, pp. 726-729.

Key Words: RSA, methods, design.

WIL-82
Willett, M.
"A Tutorial on Public Key Cryptosystems," Computer & Security, January 1982, pp. 72-79.

Key Words: methods, public-key.

WIL-84
Williams, H.C.
"Some Public-Key Crypto-Functions As Intractable as Factorization," Proc. Crypto '84, Santa Barbara, CA, 1984, (8: BLA-84a), pp. 66-70.

Key Words: methods, public-key.

WIL-85
Williams, H.C.
"An M3 Public-Key Encryption Scheme," Proc. Crypto '85, Santa Barbara, CA, 1985, (8: WIL-86), pp. 358-368.

Key Words: methods, public-key.

WIL-86
Williams, H. (Ed.)
Advances in Cryptology, Proceedings of Crypto '85, Santa Barbara, CA, August 1985, Lecture Notes in Computer Science, No. 218, Springer-Verlag, New York, 1986

Key Words: proceedings, general.

WIN-82
Winternitz, R.S.
"Security of a Keystream with Secret Initial Value," Proc. Crypto '82, Santa Barbara, CA, 1982, (8: CHA-83b), pp. 133-137.

Key Words: analysis, methods.

WIN-83
Winternitz, R.S.
"Producing a One-Way Hash Function from DES," Proc. Crypto '83, Santa Barbara, CA, 1983, (8: CHA-84b), pp. 203-207.

Key Words: DES, methods, design.

WIN-84
Winternitz, R.S.
"A Secure One-Way Hash Function Built from DES," Proc. 1984 IEEE Symp. Sec., (5: IEE-84), pp. 121-126.

Key Words: DES, methods, design.

WIN-87
Winternitz, R., and M. Hellman
"Chosen-Key Attacks on a Block Cipher," Cryptologia, January 1987, pp. 16-20.

Key Words: analysis, methods.

WOL-85
Wolfram, S.
"Cryptography with Cellular Automata," Proc. Crypto '85, Santa Barbara, CA, 1985, (8: WIL-86), pp. 429-432.

Key Words: methods, case.

WUN-83
Wunderlich, M.C.
"Factoring Numbers on the Massively Parallel Computer," Proc. Crypto '83, Santa Barbara, CA, 1983, (8: CHA-84b), pp. 87-102.

Key Words: analysis, methods, hardware.

WUN-83a
Wunderlich, M.C.
"Recent Advances in the Design and Implementation of Large Integer Factorization Algorithms," Proc. 1983 IEEE Symp. Sec. & Privacy, (5: IEE-83a), pp. 67-71.

Key Words: analysis, algorithms.

YAC-89
Yacobi, Y., and Z. Shmuley
"On Key Distribution Systems," Proc. Crypto '89, Santa Barbara, CA, 1989 (8: BRA-89).

Key Words: methods, keys.

YAG-85
Yagisawa, M.
"A New Method for Realizing Public-Key Cryptosystems," Cryptologia, October 1985, pp. 360-371.

Key Words: methods, public-key.

YAM-86
Yamamoto, H.
"On Secret Sharing Communication Systems with Two or Three Channels," IEEE Trans. Inform. Theory, May 1985.

Key Words: methods, protocols.

YAO-82
Yao, A.C.
"Theory and Applications of Trapdoor Functions," Proc., 23d IEEE Symposium on Foundations of Comp. Science, November 1982, pp. 80-91.

Key Words: methods, theory.

YAO-82a
Yao, A.C.
"Protocol for Secure Computation," Proc., 23d IEEE Symposium on Foundations of Computer Science, November 1982, pp. 160-164.

Key Words: methods, protocols.

YAO-86
Yao, A.C.
"How to Generate and Exchange Secrets," Proc., 27th IEEE Symposium on Foundations of Computer Science, October 1986, pp. 162-167.

Key Words: methods, protocols.

YUK-89
Yu, K.W., and T.L. Yu
"Data Encryption Based on Time Reversal Algorithms," The Computer Journal, (U.K.), June 1989, pp. 241-245.

Key Words: methods, algorithms.

YUN-84
Yung, M.
"Cryptoprotocols: Subscription to a Public Key, the Secret Blocking and the Multi-Player Mental Poker Game," Proc. Crypto '84, Santa Barbara, CA, 1984, (8: BLA-84a), pp. 439-453.

Key Words: methods, protocols.

ZHE-89
Zheng, Y., T. Matsumoto, and H. Imai
"On the Construction of Block Ciphers and Not Relying on Any Unproved Hypotheses," Proc. Crypto '89, Santa Barbara, CA, 1989 (8: BRA-89).

Key Words: methods, design.

ZOR-87
Zorbette, G.
"Breaking the Enemy's Code," IEEE Spectrum, September 1987, pp. 47-51.

Key Words: analysis, methods.

9. Privacy

This section cites publications on the problem of protecting information privacy in computer-based record-keeping systems, descriptions of the privacy problem, legislative measures in the United States and internationally, privacy aspects of international transborder data flows (TDF), and problems in specific application areas (e.g., credit reporting, criminal justice, employment, health care).

ABA-82

Invited Papers on Privacy: Law, Ethics, and Technology. National Symposium on Personal Privacy and Information Technology, American Bar Association and AFIPS, Washington, DC, 1982.

Key Words: proceedings, general.

ABA-82a

Report on a National Symposium on Personal Privacy and Information Technology, American Bar Association and AFIPS, Washington, DC, 1982.

Key Words: proceedings, general.

ABA-84

Abass, O.
"Guidelines for Informatics Laws in Africa," Transnational Data Report, Aug/Sept. 1984, pp. 325-326.

Key Words: guidelines, foreign, laws.

ACL-89

Litigation Under the Federal Freedom of Information Act and Privacy Act, American Civil Liberties Union, Washington, DC, 1989.

Key Words: FOI, PA, laws, use.

ADA-84

Adams, J.M.
"Canada's Future TDF Policy: Reconciling Free Flow of Information with National Sovereignty," Transnational Data Report, Oct/Nov. 1983, pp. 405-411.

Key Words: TDF, policy, foreign.

ADL-85

Adler, A.
Litigation Under the Federal Freedom of Information Act and Privacy Act, Center for National Security Studies, Washington, DC, 1985.

Key Words: FOI, PA, laws, use.

ALB-84

Albanese, S.
Justice, Privacy, and Crime Control, University Press of America, Lanham, MD, 1984.

Key Words: laws, criminal, records, use.

ALL-83

Allen, F.A.
"1984 and the Eclipse of Private Worlds," Michigan Quarterly Review, Fall 1983.

Key Words: analysis, general.

ASA-87

"Privacy Rights in Personal Information," Annual Survey of American Law, June 1987, pp. 495-666.

Key Words: laws, protection.

AUE-83

Auerbach, L.
"Privacy and Canadian Telecommunication Regulation," Telecommunications Policy, March 1983, p. 35+

Key Words: laws, foreign.

AUE-84

Auerbach, I.L.
"Professional Responsibility for Information Privacy," Proc. IFIP/Sec. '84, Toronto, 1984, (2: FIN-85), pp. 3-10.

Key Words: management, records.

AUE-85

Auerbach, I.L.
"Professional Responsibility for Information Privacy," Computers & Security, June 1985, pp. 103-107.

Key Words: managemnt, records.

BAS-84

Basche, J.R., Jr.
Regulating International Data Transmission: The Impact on Managing International Business, Report No. 852, The Conference Board, New York, 1984.

Key Words: TDF, policy, foreign.

BAS-89
Bass, G., and D. Plocher
"Strengthening Federal Information Policy: Opportunities and Realities at OMB," Software Law Journal, Summer 1989, pp. 413-459.

Key Words: policy, government.

BEC-84
Becker, J.
Information Technology and a New International Order, Transnational Data Reporting Service, Springfield, VA, 1984.

Key Words: book, general.

BEE-84
Beer, B.
"Legal Aspects of Automatic Trade Data Exchange," Transnational Data Report, Jan/Febr., 1984, pp. 52-57.

Key Words: TDF, laws, case.

BEL-83
Beling, C.T.
"Transborder Data Flow: International Privacy Protection and Free Flow of Information," Boston College International & Computer Law Review, Spring 1983, pp. 591-624.

Key Words: TDF, policy, laws.

BEL-83a
Belkin, N. et al.
"Mass-Informatics and Their Implications on Every-Day Life," Information Processing 83, Proc. IFIP Congr. Paris, North-Holland, Amsterdam, 1983.

Key Words: proceedings, general.

BEM-82
Bemer, R.W.
"Incorrect Data and Social Harm," Computer Security Journal, Winter 1982, pp. 51-56.

Key Words: management, threats.

BEQ-81
Bequai, A.
The Cashless Society: EFTS at the Crossroads, J. Wiley & Sons, New York, 1981.

Key Words: book, general.

BER-87
Berman, J.J.
"National Security vs. Access to Computer Databases: A New Threat to Freedom of Information," Software Law Journal, Winter 1987, pp. 1-15.

Key Words: FOI, threat, policy.

BER-89
Berkvens, J.
"Dutch Banks' Privacy Code of Conduct," Transnational Data Report, June/July 1988, pp. 12-17.

Key Words: policy, foreign, case.

BER-89a
Berman, J.J.
"The Right to Know: Public Access to Electronic Public Information," Software Law Journal, Summer 1989, pp. 491-530.

Key Words: rights, records.

BER-89b
Berman, J., and J. Goldman
A Federal Right of Information Privacy: The Need for Reform, Benton Foundation, Washington, DC, 1989.

Key Words: book, PA, general.

BIG-86
Bigelow, R.
"Computers and Privacy -- An American Perspective," Information Age, (U.K.), July 1986, pp. 134-140.

Key Words: rights, laws.

BIN-83
Bing, J.
"New Technology and the Law: Likely Impact and Future Trends," Computers & Law, February 1983, pp. 2-6.

Key Words: rights, laws, records.

BIN-83a
Bing, J.,
"Computers and Law -- The Regulatory Environment of Information Services," Proc. IFIP/Sec. '83, Stockholm, 1983, (2: FAK-83), pp. 253-264.

Key Words: requirements, rights.

BIN-86
Bing, J.
"Beyond 1984: The Law and Information Technology in Tomorrow's Society," Information Age (U.K.), April 1986, pp. 85-94.

Key Words: requirements, laws.

BIS-88
Biskup, J., and H.H. Bruggeman
"The Personal Model of Data," Computers & Security, December 1988, pp. 575-597.

Key Words: records, general.

BIS-89
Biskup, J.
"Protection of Privacy and Confidentiality in Medical Information Systems: Problems and Guidelines," Proc. IFI WG 11.3 (Data Base) Workshop, (6: IFI-89), 1989.

Key Words: protection, medical.

BRA-84
Branscomb, A.W.
"The Legal Infrastructure for Global Information Flows," Transnational Data Report, June/July 1984, pp. 247-251.

Key Words: TDF, laws, design.

BRO-84
Brown, R.W.
"A Model Code for Transnational Commerce?," Transnational Data Report, March 1984, pp. 117-124.

Key Words: regulation, TDF.

BRT-85
International Information Flow A Plan For Action, The Business Roundtable, New York, January 1985.

Key Words: TDF, guidelines.

BUR-84
Burnham, D.
The Rise of the Computer State, Random House, Westminster, MD, 1984

Key Words: threats, general.

BUR-84a
Burkert, H.
"Information Law Problems For the Eighties," Transnational Data Report, Aug/Sept. 1984, pp. 331-336.

Key Words: laws, requirements.

BUR-84b
Burton, R.P., and R.D. Malmrose
"The Effects of Recent Privacy Laws on Rights of Deceased Persons," Transnational Data Report, June/July 1984, pp. 237-242.

Key Words: laws, case.

BUR-85
Burgess, B.C.
"Restrictions in Data Transfer and Use," Transnational Data Report, June 1985, pp. 217-219.

Key Words: TDF, requirements.

BUR-87
Burton, R.P., and R.D. Malmrose
"Impact of Privacy Laws on Religious Organizations," Transnational Data Report, June 1987, pp. 5-9.

Key Words: laws, case.

CEC-84
New Information and Communication Technologies and Data Protection, Information Technology Task Force, Council of European Communities, Brussels, 1984.

Key Words: requirements, rights.

CHA-83
Chavda, H.
"Data Protection in the Computing Industry--A Survey," Information Age (UK), October 1983, pp. 211-221.

Key Words: protection, case.

CHA-84
Chaum. D.
"A New Paradigm for Individuals in the Information Age," Proc. 1984 IEEE Symp. on Sec. & Privacy, (5: IEE-84), pp. 99-103.

Key Words: protection, rights.

CHA-84a
Chamoux, J., and F. Chamoux
"French Data Protection: The First Five Years," Transnational Data Report, April/May 1984, pp. 163-166.

Key Words: laws, foreign.

CHC-87
Open and Shut: Enhancing the Right to Know and Right to Privacy, Canadian House of Commons, Canadinan Government Printing, Ottawa, March 1987.

Key Words: laws, rights, foreign.

CHE-84
Cheah, C.W.
"An Econometric Analysis of TDF Regulation," Transnational Data Report, December 1984, pp. 475-479

Key Words: TDF, analysis, case.

CHP-87
Information Technology and the Erosion of Privacy, Report of the Commission on Humanities and Public Affairs, Claremont Graduate School, Claremont, CA, 1987.

Key Words: requirements, rights.

CLA-81
Clariana, G.G.
"TDF, Data Protection and International Law," Transnational Data Report, July/August 1981, pp. 31-35.

Key Words: TDF, rights, foreign.

CLA-88
Clarke, R.A.
"Information Technology and Dataveillance," Communications of the ACM, May 1988, pp. 498-512.

Key Words: surveillance, rights.

CLU-88
Clukey, L.
"The Electronic Communications Privacy Act of 1986: The Imact on Software Communication Technologies," Software Law Journal, Spring 1988, pp. 243-263.

Key Words: analysis, laws.

COE-81
Convention on Protection of Individuals with Regard to Automatic Processing of Personal Data, Council of Europe, Strassbourg, France, 28 January 1981.

Key Words: protection, foreign.

COE-81a
Regulations for Automated Medical Data Banks, Recommendation R(81)1, Council of Europe, Strassbourg, France, 1981.

Key Words: protection, foreign medical, records..

COE-83
The Protection of Users of Computerized Legal Information Services, Recommendation R(83)3, Council of Europe, Strassbourg, France, 1984.

Key Words: protection, foreign private, records.

COE-84
Protection of Personal Data Used for Scientific Research and Statistics, Recommendation R(83)10, Council of Europe, Strassbourg, France, 1984.

Key Words: protection, foreign. statistical, social.

COE-86
Protection of Personal Data Used for Purposes of Direct Marketing, Recommendation R(85)20, Council of Europe, Strassbourg, France, 1986.

Key Words: protection, foreign private, records.

COE-86a
Protection of Personal Data Used for Social Security Purposes, Recommendation R(88)1, Council of Europe, Strassbourg, France, 1986.

Key Words: protection, foreign, social, records.

COE-88
Regulating the Use of Personal Data in the Police Sector, Recommendation R(87)15, Council of Europe, Strassbourg, France, 1988.

Key Words: protection, foreign, criminal, records.

COE-89
"Protection of Personal Data Used for Employment Purposes," Council of Europe Recommendation No. R(89)2, Transnational Data Report, March 1989, pp. 26-28.

Key Words: protection, records, employment.

COE-89a
New Technologies: A Challenge to Privacy Protection?, Council of Europe, Strassbourg, France, 1989.

Key Words: requirements, foreign.

COL-85
Cole, P.E.
"New Challenges to the U.S. Multinational Corporations in European Community: Data Protection Laws," N.Y.U. Journal on International Law and Politics, Summer 1985, pp. 893-947.

Key Words: TDF, foreign, analysis.

COM-83
"Computerized Bank Accounts, Credit Cards, and George Orwell's 1984," Computers and People, March/April 1983, pp. 27+

Key Words: threats, rights.

CON-80
International Data Flow, Hearings Before Committee on Government Operations, House of Representatives, U.S. Congress, Washington, DC, 1980.

Key Words: TDF, laws, Congress.

CON-80a
International Information Flow Flow: Forging a New Framework, House Report No. 96-1535, U.S. Congress, Washington, DC, December 11, 1980.

Key Words: TDF, Congress.

CON-83
Oversight of Computer Matching to Detect Fraud and Mismanagement in Government Programs, Hearings, Senate Subcommittee on Oversight of Government Affairs, Washington, DC, 1983.

Key Words: Congress, matching.

CON-83a
Who Cares About Privacy? Oversight of the Privacy Act of 1974 by Office of Management and Budget and by Congress, No. 98-455, House of Representatives, U.S. Congress, Washington, DC, 1983.

Key Words: Congress, PA, oversight.

CON-83b
Oversight of the Privacy Act of 1974, Hearings, House Committee on Government Operations, U.S. Congress, Washington, DC, 1983.

Key Words: Congress, PA, oversight.

CON-85
Unauthorized Access to Individual Medical Records, Hearings, House Committee on Judiciary, Subcommittee on Civil and Constitutional Rights, U.S. Congress, Washington, DC, 1985.

Key Words: protection, medical.

CON-86
Computer Matching and Privacy Act of 1986, Hearings, Subcommittee on Oversight of Government Management, Senate Commitee on Government Affairs, U.S. Congress, Washington, DC, 1986.

Key Words: Congress, matching.

CON-86a
Electronic Communications Privacy Act of 1986, P.L. 99-508, (18 U.S.C. 2703), 1986, U.S. Congress, Washington, DC, 1986.

Key Words: Congress, laws.

CON-87
Computer Matching and Privacy Act of 1987, Hearings, Subcommittee of House Committee on Government Operations, U.S. Congress, Washington, DC, 1987.

Key Words: Congress, matching.

CON-88
Computer Matching and Privacy Act of 1988, Report 100-802, House Committee on Government Operations, U.S. Congress, Washington, DC, July 27,1988.

Key Words: Congress, matching.

CON-88a
The Computer Matching and Privacy Act of 1988, P.L. 100-503. (5 U.S.C. 552a), U.S. Congress, Washington, DC 1988.

Key Words: Congress, matching.

COO-81
Cooper, G.R., and R.R. Belair
Privacy and the Private Employer, Bureau of Justice Statistics, U.S. Department of Justice, Washington, DC, 1981.

Key Words: guidelines, employment.

COO-83
Coombe, G.W., and S.L. Kirk
"Privacy, Data Protection and Transborder Data Flows: A Corporate Response," The Business Lawyer, November 1983, pp. 33-66.

Key Words: TDF, policy, case.

CUL-87
"Protecting Individual Privacy in Shadow of a National Data Base," Capital University Law Review, Fall '87, pp. 117-141.

Key Words: threats, government.

DAM-83
Damman, U.
"Auditing Data Protection" Transnational Data Report, April-May 1983, pp. 161-163.

Key Words: management, records.

DOC-88
Dockrill, C.
"Computer Data Banks and Personal Information: Protection Against Negligent Disclosure," Dalhousie Law Journal, March 1988, pp. 546-580.

Key Words: protection, records.

DOJ-85
Criminal Justice Information Policy: Intelligence and Investigative Records, U.S. Department of Justice, Bureau of Justice Statistics, NCJ-95787, Washington, DC, February 1985.

Key Words: policy, criminal, rights.

DON-81
Donovan, T.G.
"Data Protection's Many Tentacles," Proc. Comp. Sec. & Priv. Symposium, Phoenix, AR, 1981, (1: HON-81), pp. 13-24.

Key Words: laws, records, general.

DUB-83
Dubrow, A.
"Your Medical Records: How Private Are They?," California Lawyer, Apr. 1983, p. 33+.

Key Words: threats, medical, records.

DUF-82
Duffy, D.J.
"Privacy vs. Disclosure: Balancing Employee and Employer Rights," Employee Relations Law Journal, Spring 1982, pp. 594-609.

Key Words: rights, employment.

EAT-86
Eaton, J.W.
Card-Carrying Americans: Privacy, Security, and the National ID Card Debate, Rowman & Littlefield, Totowa, NJ, 1986.

Key Words: book, laws, rights.

ENN-84
Ennison, T., Jr.
"Sovereignty Considerations in TDF: Developing-Country Perspective," Transnational Data Report, April/May 1984, pp. 175-181.

Key Words: TDF, rights, foreign.

EVA-81
Evans, A.C.
"European Data Protection Law," American J. of Comparative Law, Fall 1981, pp. 571-582.

Key Words: laws, foreign, TDF.

EVE-80
Everest, G.C.
"Nonuniform Privacy Laws: Implications at Attempts at Uniformity," Hoffman, L.J. (Ed.), Computers and Privacy in the Next Decade, Academic Press, New York, 1980, pp. 141-150.

Key Words: guidelines, laws.

FAR-83
Farnsworth, D.P.
"Data Privacy: An American View of European Legislation," Transnational Data Report, July/August 1983, pp. 285-290.

Key Words: laws, foreign.

FIS-80
Fishman, W.L.
"Introduction to Transborder Data Flow," Stanford Journal of Internat. Law, Summer 1980, pp. 1-26.

Key Words: TDF, policies, rights.

FIS-81
Fisher, J.F.
"Access to Fair Credit Reports: Current Practices and Proposed Legislation," American Business Law Journal, Fall 1981, pp. 319-342.

Key Words: credit, laws, rights.

FLA-84
Flaherty, D.H.
Nineteen Eighty-Four and After, Final Report of Bellagio Conf. University of Western Ontario, London, Ontario, May 15, 1984.

Key Words: proceedings, rights.

FLA-84a
Flaherty, D.H., E.H. Hanis, and S.P. Mitchell
Privacy and Access to Government Data for Research: An International Bibliography, Knowledge Industry Publicat., White Plains, NY, 1984.

Key Words: book, general.

FLA-85
Flaherty, D.H.
Protecting Privacy in Two-Way Electronic Services, Knowledge Industry Publicat., White Plains, NY, 1985.

Key Words: book, rights, laws.

FLA-85a
Flaherty, D.H.
Privacy and Data Protection: An International Bibliography, Knowledge Industry Publicat., White Plains, NY, 1985.

Key Words: book, general.

FLA-86
Flaherty, D.
"Governmental Surveillance and Bureaucratic Accountability: Data Protection Agencies in the Western Societies," Science, Technology and Human Values, No. 1, 1986, pp. 1-12.

Key Words: laws, rights, foreign.

FLA-86a
Flaherty, D.
"On Making Data Protection Effective," Transnational Data Report, April 1986, pp. 15-16.

Key Words: laws, protection.

FLA-89
Flaherty, D.H.
Protecting Privacy in Surveillance Societies, University of North Carolina Press, Chapel Hill, NC, 1989.

Key Words: book, laws, foreign.

FLE-86
Fletcher, P.T.
"Current Issues in Confidentiality: Computerized Information Systems, Medical Records, and Patients' Rights," Computers & Society, Summer/Fall 1986, pp. 8-18.

Key Words: rights, medical.

FLR-84
"Damages Under the Privacy Act of 1974: Compensation and Deterrence," Fordam Law Review, March 1984, p. 611+.

Key Words: PA, protection, uses.

FRE-81
Freese, J.
"The Vulnerability of Computerized Society," Transnational Data Report, July/August 1981, pp. 21-25.

Key Words: threats, laws.

FRE-83
Freese, J.
"The Right to Be Alone in Sweden," Transnational Data Report, December 1983, pp. 447-449.

Key Words: rights, foreign.

FRE-87
Freedman, W.
The Right of Privacy in the Computer Age, Quorum Books, New York, 1987

Key Words: book, rights, laws.

FUT-83
"Orwell's 1984: How Close to the Truth?," Special Issue, The Futurist, December 1983.

Key Words: threats, general.

GAO-85
Eligibility Verification and Privacy in Federal Benefit Programs: A Delicated Balance, GAO/HRD-85-22, U.S. General Accounting Office, Washington, DC, March 1, 1985.

Key Words: government, matching.

GAO-86
Privacy Act: Federal Agencies' Implementation Can Be Improved, GAO/GGD-86-107, U.S. General Accounting Office, Washington, DC, August 1986.

Key Words: PA, oversight, laws.

GAR-85
Garzon, G.
"Legal Framework for International Information" Transnational Data Report, March 1985, pp. 101-107.

Key Words: TDF, laws, foreign.

GAS-85
Gassman, H.P. (Ed.)
Transborder Data Flows. Proceedings of 1973 OECD Conference, North-Holland/Elsevier Science Publishing Co., New York, 1985.

Key Words: proceedings, general.

GEB-88
Gebhardt, H.-P.
"Data Protection in Telecommunication Services," Transnational Data Report, June/July, 1988, pp. 18-23.

Key Words: TDF, protection.

GES-82
Gest, T., and P.M. Scherschel
"Report on Privacy: Who Is Watching You," U.S. News & World Report, July 12, 1982, pp. 34-37.

Key Words: threats, rights.

GOL-89
Golden, J.S.
"Information on the Federal Government's Electronic Databases: Is There a First Amendment Right of Access?," Software Law Journal, Winter 1989, pp. 65-90.

Key Words: government, laws.

GOT-84
Gotlieb, C.C.
"Equity in Access to Information," Proc. IFIP/Sec. '84, Toronto, 1984, (2: FIN-85), pp. 29-39.

Key Words:

GRA-84
Gray, J., L.B. McSweeney, and J.C. Shaw
Information Disclosure and the Multinational Corporation, John Wiley & Sons, Ltd., Chichester, UK, 1984.

Key Words: book, TDF, laws.

GRA-86
Grandjean, J.R.
"Computerized Medical Data -- Privacy and Delinquency Issues," Proc. IFIP/Sec. '86, Monte Carlo, 1986, (2: GRI-89).

Key Words: records, medical.

GRE-80
Greguras, F.M.
"Information Systems and Privacy Issues in the U.S.A.," Information Privacy (U.K.), May 1980, pp. 90-97.

Key Words: rights, general.

GRE-81
Greguras, F.M.
"Anticipating the Impact of EFTS on Privacy & Information Practices," Proc. Comp. Sec. & Priv. Symp., Phoenix, AR, (1: HON-81), pp. 25-45.

Key Words: EFTS, requirements.

GRO-82
Grossman, G.S.
"Transborder Data Flow: Separating the Privacy Interests of Individuals and Corporations," Northwestern Journal of International Law and Business, Spring 1982, pp. 9-11.

Key Words: TDF, laws, general.

GUR-84
Gurry, F.
Breach of Confidence, Oxford University Press, Clarendon (UK), 1984.

Key Words: book, rights, laws.

HAE-84
Haeck, L.
"Transborder (Private) Data Flow and the International Airlines," Transnational Data Report, Aug/Sept. 1984, pp. 343-345.

Key Words: TDF, policy, foreign.

HAM-84
Hamelink, C.J.
Transnational Data Flows in the Information Age, Transnational Data Reporting Service, Springfield, Va, 1984.

Key Words: TDF, policy, foreign.

HAR-84
Harris, L. et al.
The Road After 1984: Impact of Technology on Society. A Public Opinion Study, Southern New England Telephone Company, New Haven, CT, 1984.

Key Words: threats, rights, laws.

HAR-85
Hartmann, J., and S.M. Renas
"Anglo-American Privacy Law: An Economic Analysis," International Review of Law and Economics, December 1985, pp. 133-152.

Key Words: laws, foreign.

HAR-86
Harding, N.G.L
Data Protection in Medicine, Proc. of a National Meeting, Oxford, England, February 1986, HMSO Publications Center, London, 1986.

Key Words: rights, laws, medical.

HEL-85
Hely, M.H., and M.T. Morrison
Data Protection Act of 1984, The Computer Services, Ltd., Easterton, Devizes, Wilts, U.K., 1985.

Key Words: laws, foreign.

HER-88
Hernandez, R.T.
"ECPA and Online Computer Privacy," Federal Communic. Law Journal, November 1988, pp. 17-41

Key Words: laws, government.

HHS-85
Catalog of Automated Front-End Eligibility Verification Techniques, OAI-85-H-51, U.S. Department of Health and Human Services, Washington, DC, 1985.

Key Words: guidelines, matching.

HIR-84
Hiramatsu, T.
"Japan's Privacy Protection Measures," Transnational Data Report, March 1984, pp. 109-112.

Key Words: laws, foreign.

HIR-87
Hiramatsu, T.
"Japan's New Personal Data Bill," Transnational Data Report, October 1987, pp. 14-16.

Key Words: laws, foreign.

HIR-89
Hiramatsu, T.
"Japan Adopts Privacy Protection Act," Transnational Data Report, February 1989, pp. 22-29.

Key Words: laws, foreign.

HOF-80
Hoffman, L.J. (Ed.)
Computers and Privacy in the Next Decade, Academic Press, New York, 1980.

Key Words: proceedings, general.

HON-80
Hondius, F.W.
"Data Law in Europe," Stanford J. of International Law, Summer 1980, pp. 87-111.

Key Words: laws, foreign.

IBI-80
Transborder Data Flow Policies, Papers Presented at IBI Conference in Rome, June 1980, Unipub, New York, 1981.

Key Words: proceedings, TDF.

IBM-83
Privacy Begins at Home--IBM Experience with Developing and Administration of Employee Privacy Practices, IBM Corporation, White Plains, NY, 1983.

Key Words: policy, rights, case.

ICC-85
Business Guide to Privacy and Data Protection Legislation, No. 384, International Chamber of Commerce, Paris, 1985.

Key Words: TDF, guidelines, laws.

ICC-85a
Issues in Computing, Telecommunications and Information Policy, No. 385, International Chamber of Commerce, Paris, 1985.

Key Words: TDF, policy, foreign.

IRV-86
Irving, R.H., C.A. Higgins, and F.R. Safayeni "Computerized Performance Monitoring Systems: Use and Abuse," Communications of the ACM, August 1986, pp. 794-801.

Key Words: rights, employment.

JML-88
"Privacy Edition," The John Marshall Law Review, Summer '88, pp. 703-902.

Key Words: rights, laws, general.

JON-88
Jones, S.E.
"Right to Financial Privacy: Emerging Standards of Bank Compliance," Banking Law Journal, Jan./Febr. 1988, pp. 37-51.

Key Words: rights, laws, EFTS.

KAT-88
Katz, J.E.
"Public Policy Origins of Telecommunications Privacy and the Emerging Issues," Information Age (U.K.), July 1988, pp. 169-176.

Key Words: policy, laws, case.

KEN-86
Kenny, J.J. (Ed.)
Data Privacy & Security, Pergamon Press, Elmsford, NJ, 1986

Key Words: book, general.

KIR-80
Kirby, M.D.
"Transborder Data Flows and the 'Basic Rules' of Privacy," Stanford Journal of International Law, Summer 1980, pp. 27-66.

Key Words: TDF, rights, foreign.

KIR-81
Kirchner, J.
"Privacy: A History of Computer Matching in the Federal Government, Computerworld, December 14, 1981, pp. 2ff.

Key Words: matching, general.

KIR-84
Kirby, M.D.
"Urgent Need to Solve TDF Legal Difficulties," Transnational Data Report, Aug/Sept. 1984, pp. 347-350.

Key Words: TDF, laws, rights.

KIR-86
Kirby, M.D.
"Ten Information Commandments," Transnational Data Report, June 1986, pp. 19-22.

Key Words: rights, laws, use.

KIR-86a
Kirby, M.D.
"Human Rights -- The Challenge of New Technology," Information Age (U.K.), October 1986, pp. 200-207.

Key Words: rights, general.

KIR-87
Kirby, M.D.
"Access to Information and Privacy: The Ten Information Commandments," University of Cincinnatti Law Review, 1987, pp. 745-759.

Key Words: rights, laws, use.

KLU-83
Klugman, E.
"Toward a Uniform Right to Medical Records: A Proposal for a Model Patient Access and Information Practices Statute," UCLA Law Review, August 1983, p. 1349+.

Key Words: rights, medical.

KUS-84
Kusserow, R.P.
"The Government Needs Computer Matching to Root Out Waste and Fraud," Communications of the ACM, June 1984, pp. 542-545.

Key Words: requirements, case, matching, rights.

LAN-84
Landever, A.R.
"Electronic Surveillance, Computers and the Fourth Amendment," University of Toledo Law Review, Winter 1984, pp. 597-640.

Key Words: surveillance, rights.

LAU-83
Lauffer, S.
International Issues in Communication Technology and Policy, Academy for Educational Development, Washington, DC, 1983.

Key Words: book, policy, foreign.

LAU-86
Laudon, K.C.
Dossier Society: Value Choices in the Design of National Information Systems, Columbia University Press, New York, 1986

Key Words: book, surveillance.

LAU-86a
Laudon, K.C.
"Data Quality and Due Process in Large Interorganizational Record Systems," Communications of the ACM, January 1986, pp. 5-11.

Key Words: requirements, case.

LEA-86
Leahy, P.
"Privacy and Progress," Computers & Security, December 1986, pp. 347-349.

Key Words: rights, general.

LER-84
Lerner, E.J.
"International Data Wars Are Brewing," IEEE Spectrum, July 1984, p. 454+.

Key Words: TDF, policy.

LIN-89
Linowes, D.F.
Privacy in America: Is Your Private Life in the Public Eye?, University of Illinois Press, Urbana, IL, 1989.

Key Words: book, threats, rights.

MAI-81
Maisonrouge, J.G.
"Regulation of International Information Flows," The Information Society, Vol. 1, No. 1, 1981, pp. 17-30.

Key Words: TDF, policy, laws.

MAR-80
Marchand, D.A.
The Politics of Privacy, and Criminal Justice Records, Information Resources Press, Arlington, VA, 1980.

Key Words: policy, criminal.

MAR-84
Marx, G.T., and
N. Reichman
"Routinizing the Discovery of Secrets: Computers as Informants," Americ. Behavioral Scientist, March 1984.

Key Words: threats, rights.

MAR-86
Marx. G.T., and S. Sherizen
"Monitoring the Job: How to Protect Privacy as well as Property." Technology Review, Nov./Dec. 1986, pp. 63-72.

Key Words: threats, rights.

MAR-86a
Marx, G.T.
"Surveillance: A Dangerous Game Played With Matches," Abacus, Fall 1986, pp. 60-64.

Key Words: threats, matching.

MAR-88
Marx, G.T.
Undercover: Police Surveillance in America, University of California Press, Berkeley, CA, 1988

Key Words: book, threats.

MAT-85
Matley, B.G.
"Computer Privacy in America: Conflicting Practices and Policy Choices," Proc. 1986 IEEE Symp. Sec. & Priv., (5: IEE-86), pp. 219-223.

Key Words: policy, laws.

MCC-80
McConnell, R.M.
"Designing for Privacy: The Data Vault," in Rullo, T.A. (Ed.), Advances in Computer Security Management, Vol. 1, Heyden, Philadelphia, PA, 1980, pp. 106-121.

Key Words: protection, design.

MCK-83
McKay, G.A.
"Privacy -- A Call for Action," Proc. IFIP/Sec. '83, Stockholm, 1983, (2: FAK-83), pp. 47-55.

Key Words: protection, general.

MCL-81
McLaughlan, W.
"Privacy and Criminal Justice," Information Privacy (U.K.), March 1981, pp. 43-49.

Key Words: rights, criminal.

MEL-82
Meldman, J.A.
"Privacy Expectations in an Information Age," Information Privacy (U.K.), Winter 1982, pp. 81-89.

Key Words: rights, laws.

MON-88
Monssen, W.
"Airline Industry Takes Data Protection Seriously," Transnational Data Report, January 1988, pp. 17-20.

Key Words: policy, rights.

MOW-81
Mowshowitz, A.
"On Approaches to the Study of Social Issues in Computing," Communications of the ACM, November 1981, pp. 146-155.

Key Words: policy, social.

NIB-84
Niblett, B.
Data Protection Act of 1984, Longman Group Limited, London, 1984.

Key Words: book, laws, foreign.

NOV-80
Novotny, E.J.
"Transborder Data Flows and International Law: A Framework for Policy-Oriented Inquiry," Stanford Journal of International Law, Summer 1980, pp. 141-199.

Key Words: TDF, laws. foreign.

NOV-82
Novotny, E.J.
"Transborder Data Flow Regulation: Technical Issues of Legal Concern," Computer/Law Journal, Winter 1982, pp. 105-124.

Key Words: TDF, requirements.

NYC-80
Nycum, S.H., and S. Courtney-Saunders
"Transborder Data Flow: Legal Persons in Privacy Protection Legislation," Proc., 1980 National Comp. Conf., AFIPS Press, Arlington, VA, pp. 587-593.

Key Words: TDF, policy, laws.

OEC-80
Information, Computer and Communications Policies for 1980s, Proc. of a High-Level Conf., OECD, Paris, 1980.

Key Words: proceedings, general.

OEC-81
Guidelines for the Protection of Privacy & Transborder Data Flows of Personal Information, OECD, Paris, 1981.

Key Words: TDF, guidelines.

OEC-84
An Exploration of Legal Issues In Informationa and Telecommunication Technologies, OECD, Paris, 1984.

Key Words: TDF, laws, policy.

OEC-86
1984 And Beyond: The Social Challenge of Information Technology, Proc. 1984 Berlin Conf. OECD, Paris, March 1986.

Key Words: policy, social.

OMB-85
Management of Federal Information Resources, Circular No. A-130, Office of Management and Budget, Washington, DC, December 1985.

Key Words: policy, guidelines.

OSV-83
Osvald, T.
"The Data Act and Documentation Requirements," Proc. IFIP/Sec. '83, Stockholm, 1983, (2: FAK-83), pp. 265-268.

Key Words: laws, foreign.

OTA-85
Federal Government Information Technology: Electronic Surveillance and Civil Liberties, OTA-CIT-293, U.S. Congress, Office of Techn. Assessment, Washington, DC, October 1985.

Key Words: surveillance, rights, government, policy.

OTA-86
Federal Government Information Technology: Electronic Record Systems and Individual Privacy, OTA-CIT-296, U.S. Congress, Office of Technology Assessment, Washington, DC. June 1986.

Key Words: rights, records, laws, government, policy.

OTA-87
The Electronic Supervisor -- New Technology, New Tensions, OTA-CIT-333, U.S. Congress, Office of Techn. Assessment, Washington, DC, September 1987.

Key Words: threats, rights, government, policy.

OTA-88
Criminal Justice, New Technologies and the Constitution, OTA-CIT-366, U.S. Congress, Office of Techn. Assessment, Washington, DC, May 1988.

Key Words: policy, criminal.

PAG-84
Pagels, H.R. (Ed.)
Computer Culture: The Scientific Intellectual and Social of the the Computer, The New York Academy of Sciences, New York, 1984.

Key Words: book, policy.

PAR-83
Parent, W.A.
"Recent Work on the Concept of Privacy," Americican Philosophical Quarterly, 1983, pp. 341-355.

Key Words: policy, general.

PAR-84
Parkhill, D., P. Enslow (Eds.)
So This is 1984, North-Holland, Amsterdam, 1984.

Key Words: book, general.

PAT-89
Patrick, A.L.
"Public Access to Government Databanks," Proc., 12th Natl. Comp. Sec. Conf., 1989, (5: NCS-89), pp. 609-610.

Key Words: policy, rights, laws.

PIE-83
Pietarinen, I.
"Finland's Privacy Legislation," Transnational Data Report, March 1983, pp. 101-103.

Key Words: laws, foreign.

PIP-84
Pipe, G.R.
"Getting on the TDF Track," Datamation, Jan. 1984, p. 200-211.

Key Words: TDF, general.

PLE-82
Plesser, R.
"Issue of Data Flows Across National Borders Must Be Faced," ABA Banking Journal, February 1982, pp. 71-78.

Key Words: TDF, policy, laws.

RAD-84
Rada, J.F. and G.R. Pipe (Eds.)
Communications Regulation and International Business, Elsevier Science Publishers, New York, 1984.

Key Words: book, TDF, policy.

RAS-86
Rasor, P.B.
"Controlling Government Access to Personal Financial Records," Washburn Law Review, Spring 1986, pp. 417-436.

Key Words: policy, records.

RAS-86a
Rasor, P.B.
"Privacy Implications of Consumer Credit Laws," The John Marshall Law Review, Summer 1986, pp. 941-957.

Key Words: privacy, credit.

RIC-86
Rice, R.
"Privacy, Freedom and PublicKey Cryptography," Information Age, (U.K.), October 1986, pp. 208-214.

Key Words: policy, rights.

RIL-87
Riley, T.
"Quebec's Unique Access and Privacy Act," Transnational Data Report, January 1987, pp. 11-13.

Key Words: laws, foreign.

RIL-87a
Riley, T.
"Enhancing Canadians' Right to Know and to Privacy," Transnational Data Report, June 1987, pp. 23-25.

Key Words: rights, foreign.

RIL-87b
Riley, T.
Access to Government Records: International Perspectives and Trends, Transnational Data Reporting Services, Springfield, VA, 1987.

Key Words: book, policy, foreign.

RIL-88
Riley, T.
"Data Commissioners Consider Wider Horizons: Conference Report," Transnational Data Report, December 1988, pp. 10-18.

Key Words: policy, laws, foreign.

ROB-86
Robinson, P.
"Legal Issues Raised by Transborder Data Flow," Canadian-U.S. Law Journal, 1986, pp. 295-316.

Key Words: TDF, laws, foreign.

RUB-89
Rubenfeld, J.
"The Right of Privacy," Harvard Law Review, February 1989, pp. 737-807.

Key Words: rights, laws.

RUL-80
Rule, J., et al.
The Politics of Privacy, New American Library, New York, 1980.

Key Words: book, rights.

SAU-84
Sauvant, K.P.
"The Growing Dependence on Transborder Data Flows," Computerworld, June 25, 1984, pp. ID/19-24.

Key Words: TDF, policy, laws.

SCH-84
Schoeman, F.D. (Ed.)
Philosophical Dimensions of Privacy, Cambridge University Press, New York, 1984

Key Words: book, rights, laws.

SEI-80
Seiler, R.S.
"Privacy and Insurance: An Enforceable Expectation of Confidentiality," Forum, Spring 1980, pp. 628-659.

Key Words: rights, laws, case.

SEI-86
Seipel, P.
"Pitfalls of the Electronic Revolution," Information Age, (U.K.), October 1986, pp. 215-219.

Key Words: threats, rights.

SEL-88
Selmer, K.
"Data Protection Policy Trend," Transnational Data Report, December 1988, pp. 19-25.

Key Words: policy, laws.

SHA-84
Shattuck, J.
"Computer Matching Is a Serious Threat to Individual Rights," Communications of the ACM, June 1984, pp. 538-541.

Key Words: matching, threats.

SHA-85
Shattuck, J.
"Privacy in the Age of Information," Transnational Data Report, July/August 1985, pp. 259-260.

Key Words: rights, laws.

SHA-89
Shattuck, J., and M.M. Spence
"A Presidential Initiative on Information Policy," Software Law Journal, Summer 1989, pp. 461-490.

Key Words: policy, rights, laws.

SHU-86
Shultz, G.P.
"Consequences of the Age of Information," Transnational Data Report, May 1986, pp. 16-19.

Key Words: polciy, rights.

SIM-83
Simitis, S.
"Data Protection--A Few Critical Remarks," Transnational Data Report, March 1983, pp. 93-96.

Key Words: protection, laws.

SIM-85
Simitis, S.
"Data Protection: New Developments, New Challenges," Transnational Data Report, March 1985, pp. 95-96.

Key Words: policy, rights, laws.

SIM-87
Simitis, S.
"Reviewing Privacy in an Information Society," University of Pennsylvania Law Review, March 1987, pp. 707-746.

Key Words: policy, rights, laws.

SIZ-85
Sizer, R. and P. Newman
The Data Protection Act (U.K.), Gower Publishing Co., Ltd., London, 1985.

Key Words: laws, foreign.

SLA-83
Slansky, P. (Ed.)
On Nineteen Eighty-Four, W.H. Freeman & Co., New York, 1983.

Key Words: book, rights.

SMI-83
Smith, R.E.
Workrights, Privacy Journal Publication, Washington, DC, 1983.

Key Words: rights, employment.

SMI-85
Smith, R.E.
Fair Information Practices in Seven States, Privacy Journal Publication, Washington, DC, 1985.

Key Words: laws, general.

SMI-86
Smith, R.E.
Collection and Use of Social Security Numbers, Privacy Journal Publication, Washington, DC, 1986.

Key Words: policy, rights.

SMI-88
Smith, R.E.
Compilation of State & Federal Privacy Laws, Privacy Journal Publication, Washington, DC, 1988.

Key Words: laws, general.

STE-81
Stevenson, R.B., Jr.
Corporations & Information: Secrecy, Access & Disclosure, Johns Hopkins University Press, Baltimore MD, 1981.

Key Words: book, policy, laws.

STE-83
Sterling, R.A.
"Privacy Information Systems Common Law -- A Comparative Study in the Private Sector," Gozanga Law Review, Vol. 18, 1982/83, pp. 567-604.

Key Words: policy, rights, law.

STR-86
Strunk, O., Jr.
Privacy: Studies in Social and Cultural History, University Press of America, Lanham, MD, 1986

Key Words: book, general.

STR-88
Strong, D.R.
"The Computer Matching and Privacy Protection Act of 1988: Necessary Relief from Erosion of the Privacy Act of 1974," Software Law Journal, Summer 1988, pp. 391-422.

Key Words: matching, laws.

SWA-83
Swan, J.C.
"Public Records and Library Privacy," Library Journal, Sept. 1983.

Key Words: policy, records.

TDR-83
Transborder Data Flow Issues Guide, Transnational Data Reporting Service, Springfield, VA, 1983.

Key Words: TDF, guidelines.

TDR-83a
"Statistical Data Privacyand Confidentiality," Transnational Data Report, Oct./Nov. 1983, pp. 368-386.

Key Words: statistical, laws.

TDR-84
"Surveys Show Strategic Importance of TDF," Transnational Data Report, Jan/Febr. 1984, pp. 20-36.

Key Words: TDF, policy.

TDR-84a
"New Technologies' Impact On Data Protection," Transnational Data Report, June/July 1984, pp. 204-215.

Key Words: threats, rights.

TDR-84b
"Second World TDF Conference: Special Report," Transnational Data Report, Aug./Sept. 1984, pp. 253-283.

Key Words: TDF, policy, foreign.

TDR-85
"OECD Sets TDF Rules of the Road," Transnational Data Report, April/May 1985, pp. 115-117.

Key Words: TDF, guidelines.

TLR-87
"Privacy, Computers, and the Commercial Dissemination of Personal Information," Texas Law Review, June 1987, pp. 1395-1439.

Key Words: policy, records.

TRA-85
Traub, J.F. (Ed.)
Cohabiting with Computers, William Kaufmann, Inc., Los Altos, CA, 1985.

Key Words: book, general.

TRE-88
Tremper, C.R., and M.A. Small
"Privacy Regulation of Computer Assisted Testing and Instruction," Washington Law Review, October 1988, pp. 841-879,

Key Words: policy, rights.

TRU-86
Trubow, G.
"Peeping Sam: Uncle Is Watching You," Computer Security Journal, No. 1, 1986, pp. 15-20.

Key Words: surveillance.

TRU-87
Trubow, G.B.
"National Information Policy and the Management of Personal Records," Software Law Journal, Winter 1987, pp. 101-112.

Key Words: policy, management.

TRU-89
Trubow, G.B.
"Watching the Watchers: The Coordination of Federal Privacy Policy," Software Law Journal, Summer 1989, pp. 391-411.

Key Words: policy, rights, laws.

TUR-80
Turn, R.
"Transborder Data Flows," Computerworld, March 3, 1980, pp. ID1-ID10.

Key Words: TDF, policy, laws.

TUR-80a
Turn, R.
"An Overview of Transnational Dataflow Issues," Proceedings, Pacific Telecommunications Conference, January 1980, pp. 1D31-1D40.

Key Words: TDF, policy, laws.

TUR-80b
Turn, R.
"Technical Implications of Privacy Protection Requirements," Information Privacy, (U.K.), January 1980, pp. 2-6.

Key Words: TDF, policy, design.

TUR-80c
Turn, R.
"Privacy Protection and Transborder Data Flows," Proceedings, 1980 National Computer Conference, AFIPS Press, Reston, VA, 1980, pp. 581-586.

Key Words: TDF, laws, foreign.

TUR-80d
Turn, R.
"Privacy Protection and Security in Transnational Data Processing," Stanford Journal of International Law, Summer 1980, pp. 7-86.

Key Words: TDF, laws, foreign.

TUR-80e
Turn, R.
"An Overview of Transborder Dataflow Problems," Proc. 1980 IEEE Symp. Sec. & Privacy, (5: IEE-80), pp. 3-8.

Key Words: TDF, laws, foreign.

TUR-81
Turn, R., (Ed.)
"Transborder Data Flows: Issues and Organizations," Information Privacy, (U.K.), January 1981, pp. 6-20.

Key Words: TDF, policy.

TUR-81a
Turn, R., (Ed.)
"Transborder Data Flows: Privacy Protection," Information Privacy, (U.K.), March 1981, pp. 56-67.

Key Words: TDF, laws, foreign.

TUR-81b
Turn, R., (Ed.)
"Transborder Data Flows: Implementation of Privacy Protection," Information Privacy, (U.K.), May 1981, pp. 98-119.

Key Words: TDF, protection.

TUR-82
Turn, R.
"Security Issues in Transborder Data Flows," Computer Security Journal, Winter 1982, pp. 71-79.

Key Words: TDF, protection.

TUR-82a
Turn, R.
"Privacy Protection in the 1980s," Proc. 1982 IEEE Symp. Sec. & Privacy, (5: IEE-82), pp. 86-89.

Key Words: rights, laws.

TUR-82b
Turn, R.
"Situation in the U.S.: Privacy Protection Needs in the 1980s," Transnational Data Report, July/August 1982, pp. 257-258.

Key Words: requirements, laws.

TUR-83
Turn, R.
"Privacy Protection in the Computer Age," Information Age, (U.K.), April 1983, pp. 105-109.

Key Words: rights, laws.

TUR-83a
Turn, R., et al.
Observations on the Resiliency of the U.S. Information Society, AFIPS Press, Reston, VA, 1983.

Key Words: requirements, policy.

TUR-83b
Turn, R.
"Privacy Protection in the 1980s," Information Age, (UK), April 1983, pp. 105-109.

Key Words: rights, laws.

TUR-83c
Turn, R., and E.J. Novotny
"Resiliency of the Computerized Society," Proc., 1983 Natl. Comp. Conf., AFIPS Press, Reston, VA, May 1983, pp. 341-349.

Key Words: requirements, policy.

TUR-84
Turkle, S.
The Second Self: Computers and the Human Spirit, Simon and Schuster, New York, 1984.

Key Words: book, societal.

UCD-81
"Confidentiality of Personnel Files in the Private Sector," University of California at Davis Law Review, Winter 1981, pp. 473-492.

Key Words: rights, employment.

UNI-82
Transnational Corporations & Transborder Data Flows, United Nations, New York, 1982.

Key Words: TDF, policy, laws.

VEE-89
Veeder, R.N.
"Making Eligibility for Federal Benefits Determinations under the Computer Matching and Privacy Protection Act of 1988," Proc. 12th Natl. Comp. Sec. Conf., 1989, (5: IEE-89), pp. 606-608.

Key Words: matching, laws.

VIT-83
Vitro, R.A.
"Information Sector Development Planning: Toward Balanced TDF," Transnational Data Report, December 1983, pp. 461-468.

Key Words: TDF, policy.

WAL-88
Walden, N., and R.N. Savage
"Data Protection and Privacy Laws: Should Organisations Be Protected," International & Computer Law Quarterly, April 1988, pp. 337-347.

Key Words: policy, laws.

WAR-80
Ware, W.H.
"Privacy and Information Technology," in Hoffman, L.J. (Ed.), Computers and Privacy in the Next Decade, Academic Press, New York, 1980, pp. 9-22.

Key Words: proceedings, general.

WAR-81
Ware, W.H.
"Security, Privacy, and National Vulnerability," Proc. Comp. Sec. & Priv. Symp., Phoenix, AR, 1981, pp. 107-111.

Key Words: policy, rights, laws.

WAR-86a
Ware, W.H.
"Emerging Privacy Issues," Computers & Security, June 1986, pp. 101-113.

Key Words: policy, rights.

WES-80
Westin, A.F., and S. Salisbury
Individual Rights in the Corporation, Pantheon Books, New York, 1980.

Key Words: book, employment.

WES-80a
Westin, A.F.
"Long-Term Implications of Computers for Privacy and Protection of the Public Order," in Hoffman, L.J. (Ed.), Computers and Privacy in the Next Decade, Academic Press, New York, 1980, pp. 167-181.

Key Words: policy, rights, laws.

WES-83
Westin, A.F.
"New Issues of Computer Privacy in the 1980s," Information Processing 83, Proc., IFIP Congress, Paris, North-Holland, Amsterdam, 1983.

Key Words: policy, rights, laws.

WES-83a
Westin, A.F.
"New Eyes on Privacy," Computerworld, November 28, 1983, pp. ID/11-18.

Key Words: policy, rights, laws.

WES-84
Westin, A.F.
The Changing Workplace: A Guide to Managing People, Organizational, and Regulatory Aspects of Office Technology, Knowledge Industry Publications, Inc., White Plains, NY, 1984.

Key Words: book, guidelines, laws, employment.

WIG-84
Wigand, R.T., et al.
"Transborder Data Flow, Informatics and National Policies," Journal of Communications, Winter 1984.

Key Words: TDF, policy, laws.

WLL-81
"Employee Medical Records and Constitutional Right of Privacy," Washington & Lee Law Review, Fall 1981, pp. 1267-1284.

Key Words: rights, employment.

WRI-83
Wright, J.
"Protection of Corporate Privacy," Transnational Data Report, June 1983, pp. 231-235.

Key Words: policy, rights.

YOU-83
Yourow, J.H.
Issues in International Telecommunications Policy: A Source Book, Center for Telecommunications Studies, George Washington University, Washington, DC, 1983.

Key Words: TDF, policy, laws.

YUR-83
Yurow, J.
"Privacy Legislation and Restriction of Transborder Data Flow," Information Age, (UK), January 1983, pp. 11-15.

Key Words: TDF, laws, policy.

ZAK-83
Zaki, A.S.
"Regulation of Electronic Funds Transfer: Impact and Legal Issues," Communications of the ACM, February 1983, pp. 112-118.

Key Words: EFTS, policy, laws.

10. Pre-1980 Publications

This section cites pre-1980 publications listed under the following four subject categories: security environment, security models and database security, communications security, and privacy.

A. Security Environment

BRO-71
Brown, W.F. (Ed.)
AMR Guide to Computer and Software Security, Advanced Management Research, New York, 1971.

Key Words: book, general.

BRO-79
Brown, P.S.
Security: Check List for Computer Center Self-Audits, AFIPS Press, Reston, VA, 1979.

Key Words: book, general, risk.

BUR-78
Burch, J.G., and J.L. Sardinas
Computer Control and Audit: A Total Systems Approach, Wiley & Sons, New York, 1978.

Key Words: book, auditing.

CAR-77
Carroll, J.M.
Computer Security, Security World Publ. Co., 1977.

Key Words: book, methods, general.

COU-77
Courtney, R.H., Jr.
"Security Risk Assessment in Electronic Data Processing," Proc. 1977 Natl. Comp. Conf., AFIPS Press, Reston, VA, pp. 97-104.

Key Words: risk, management.

DIN-78
Dinardo, C.T. (Ed.)
Computers and Security, AFIPS Press, Reston, VA, 1978.

Key Words: book, general.

DOJ-79
Computer Crime: Criminal Justice Resource Manual, Law Enforcement Assistance Administration, U.S. Department of Justice, Washington, DC, 1979.

Key Words: guidelines, crime.

FAR-72
Farr, M., B. Chadwick, and K. Wong
Security for Computer Systems, National Computer Centre, Ltd., Manchester, England, 1972.

Key Words: book, general, risk.

GAO-76
Computer-Related Crimes in Federal Programs, FGMSD-76-27, U.S. General Accounting Office, Washington, DC, 27 April 1976.

Key Words: crime, government.

GAO-77
New Methods Needed for Checking Payments Made by Computers, FGMSD-76-82, U.S. General Accounting Office, Washington, DC, 7 November 1977.

Key Words: threats, management.

GAO-79
Automated Systems Security: Federal Agencies Should Strengthen Safeguards Over Personal and Other Sensitive Data, LCD-78-123, U.S. General Accounting Office, Washington, DC, 23 January 1979.

Key Words: threats, government.

HAM-73
Hamilton, P.
Computer Security, Auerbach Publishers, Inc. Pennsauken, NJ, 1973.

Key Words: book, general.

HEM-73
Hemphill, C., and J.M. Hemphill
Security Procedures for Computer Systems, Dow-Jones Co., Homewood, IL 1973.

Key Words: book, methods, general.

IBM-74

Data Security and Data Processing, Report in 6 Volumes on a Study by TRW, MIT, and the State of Illinois, IBM Corporation, White Plains, NY, 1974.

Key Words: methods, management.

KRA-79

Krauss, L.I.
Computer Fraud and Countermeasures, Prentice-Hall, Englewood Cliffs, NJ, 1979.

Key Words: book, crime, methods.

MAR-73

Martin, J.
Security, Accuracy and Privacy in Computer Systems, Prentice-Hall, Englewood Cliffs, NJ, 1973.

Key Words: book, methods, privacy.

MOW-78

Mowshowitz, A.
"Computers and Ethical Judgement in Organizations," Proc. 1978 Natl. Comp. Conf., AFIPS Press, Reston, VA, pp. 675-683.

Key Words: awareness, ethics.

NBS-74

Guidelines for Automatic Data Processing Physical Security and Risk Management, FIPS PUB 31, National Bureau of Standards, Gaithersburg, MD, 1974.

Key Words: guidelines, physical, methods, risk.

NBS-75

Computer Security Guidelines for Implementing the Privacy Act of 1974, FIPS PUB 41, National Bureau of Standards, Gaithersburg, MD, 30 May 1975.

Key Words: guidelines, methods, privacy.

NBS-76

Glossary for Computer Systems Security, FIPS PUB 39, National Bureau of Standards, Gaithersburg, MD, 15 Febr. 1976.

Key Words: guidelines, standards.

NBS-77

Evaluation of Techniques for Automated Personal Identification, FIPS PUB 48, National Bureau of Standards, Gaithersburg, MD, 1 April 1976.

Key Words: authentication.

NBS-79

Guidelines for Automatic Data Processing Risk Analysis, FIPS PUB 65, National Bureau of Standards, Gaithersburg, MD, 1 August 1979.

Key Words: guidelines, risk.

OMB-78

Security of Federal Automated Information Systems, Circ. No. A-71, Transmittal Memo. No. 1, Office of Management and Budget, Washington, DC, July 27, 1978.

Key Words: requirements, risk.

PAR-76

Parker, D.B.
Crime by Computer, Scribners, New York, 1976.

Key Words: book, crime, risk.

PAR-76a

Parker, D.B.
"Computer Abuse Perpetrators and Vulnerabilities of Computer Systems," Proc. 1976 Natl. Comp. Conf., AFIPS Press, Reston, VA, 1976.

Key Words: crime, threats.

PAR-79

Parker, D. (Ed).,
Ethical Conflicts in Computer Science and Technology, AFIPS Press, Reston, VA, 1979.

Key Words: ethics, general.

PAT-74

Patrick, R.L. (Ed.)
Security: AFIPS System Review Manual, AFIPS Press, Reston, VA, 1974.

Key Words: risk, management.

PET-67

Petersen, H.E., and R. Turn,
"System Implications of Information Privacy," Proc. Spring Joint Comp. Conf. AFIPS Press, 1967, pp. 291-300.

Key Words: threats, methods.

REE-73

Reed, S.K., and M. Gray
Controlled Accessibility Bibliography, TN 780, National Bureau of Standards, Gaithersburg, MD, June 1973.

Key Words: awareness, general.

REN-74

Renninger, C. and D. Branstad
Government Looks at Privacy and Security in Computer Systems, TN 809, National Bureau of Standards, Gaithersburg, MD, February 1974.

Key Words: proceedings, general.

REN-74a
Renninger, C., (Ed.)
Approaches to Privacy and Security in Computer Systems, SP 404, National Bureau of Standards, Gaithersburg, MD, September 1974.

Key Words: proceedings, general.

TAB-79
Taber, J.K.
"On Computer Crime (S.B. 240)," Computer/Law Journal, Winter 1979, pp. 517-544.

Key Words: crime, laws.

VAN-72
Van Tassel, D.
Computer Security Management, Prentice-Hall, Englewood Cliffs, NJ, 1972

Key Words: book, general.

WAL-77
Walker, B.J., and I.F. Blake
Computer Security and Protection Structures, Dowden, Hutchison and Ross, Inc., Stroudsburg, PA, 1977.

Key Words: book, techniques.

WON-77
Wong, K.
Computer Security Risk Analysis and Control: A Guide to the DP Manager, Hayden Book Co, New Rochelle Park, NJ, 1977.

Key Words: book, risk, control.

WOO-73
Wooldridge, S., C. Corder, and C. Johnson
Security Standards for Data Processing, Wiley & Sons, New York, 1973.

Key Words: book, general.

B. Security Models and Database Security

ABR-77
Abrams, M.D., et al. (Eds.)
Tutorial on Computer Security and Integrity, IEEE Computer Society, Long Beach, CA, 1977.

Key Words: book, techniques.

AMB-77
Ambler, A.L., and C.G. Hoch
"A Study of Protection in Programming Languages," Proc. ACM Conf. on Language Design for Reliable Software, 1977, pp. 25-40.

Key Words: methods, software.

AND-72
Anderson, J.P.
"Information Security in MultiUser Computer Environment," in Rubinoff, R., (Ed.), Advances in Computers, Vol. 12, Academic Press, New York, 1972, pp. 1-35.

Key Words: policy, methods.

AND-73
Anderson, J.P.
Computer Security Technology Planning Study, ESD-TR-73-51, James P. Anderson and Co., Fort Washington, PA, 1973.

Key Words: policy, models, techniques.

ATT-76
Attanassio, C., P. Markstein, and R. Phillips
"Penetrating an Operating System: A Study of VM/370 Integrity," IBM Systems Journal, January 1976, pp. 102-116.

Key Words: OS, threats, case.

BAR-64
Baran, P.,
On Distributed Communications: IX. Security, Secerecy, and Tamper-Free Considerations, Report RM-3765-PR, The Rand Corp., Santa Monica, CA, 1964.

Key Words: threats, policy.

BAY-76
Bayer, R., and J.K. Metzger
"On the Encipherment of Search Trees and Random Access Files," ACM Trans. Database Systems, March 1976, pp. 37-52.

Key Words: database, crypto.

BEL-73
Bell, D.E.
Secure Computer Systems: A Refinement of the Mathematical Model, Vol. III, ESD-TR-73-278, Mitre Corp., Bedford, MA, 1973.

Key Words: policy, models.

BEL-75
Bell, D.E., and L.J. LaPadula,
Secure Computer Systems: Unified Exposition and Multics Interpretation, ESD-TR-75-306, Mitre Corp., Bedford, MA, 1975.

Key Words: policy, models, case.

BER-79
Berson, T., G. Barksdale, Jr. "KSOS--Development Methodology for a Secure Operating System," Proc. 1979 Natl. Comp. Conf., AFIPS Press, Reston, VA, pp. 365-371.

Key Words: OS, kernel, case.

BIB-77
Biba, K.J., Integrity Considerations for Secure Computer Systems, ESD-TR-76-372, Mitre Corp., Bedford, MA, 1977.

Key Words: models, integrity.

CON-72
Conway, R.W., W.L. Maxwell, and H.L. Morgan "On the Implementation of Security Measures in Information Systems," Communications of the ACM, April 1972, pp. 211-220.

Key Words: OS, techniques.

DAV-78
Davida, G.I., et al. "Data Base Security," IEEE Trans. Software Engr., November 1978, pp. 531-533.

Key Words: database, methods.

DEM-77
DeMillo, R.A., et al. "Even Databases that Lie Can Be Compromised," IEEE Trans. Software Engr., January 1977, pp. 73-75.

Key Words: threats, database.

DEM-78
Demillo, R., et al. (Eds.), Foundations of Secure Computation, Academic Press, New York, 1978.

Key Words: book, models, theory.

DEN-76
Denning, D.E., "A Lattice Model of Secure Information Flow," Communications of the ACM, May 1976, pp. 236-242,

Key Words: models, flow.

DEN-77
Denning, D.E., Denning, P.J., "Certification of Programs for Secure Information Flow," Communications of the ACM, July 1977, pp. 504-513.

Key Words: verification, flow.

DEN-78
Denning, D.E. "Are Statistical Data Bases Secure?," Proc. 1978 Natl. Comp. Conf., AFIPS Press, Reston, VA, pp. 525-530.

Key Words: statistical, threats.

DEN-79
Denning, D.E., Denning, P.J., "Data Security," ACM Computing Surveys, September 1979, pp. 227-250.

Key Words: databases, methods.

DEN-79a
Denning, D.E., et al., "The Trackers: A Threat to Statistical Database Security," ACM Trans. Database Systems, March, 1979, pp. 76-96.

Key Words: statistical, threats.

DOB-79
Dobkin, D.A., A.K. Jones, and R. Lipton "Protection Against User Inference," ACM Trans. Database Systems, March 1979, pp. 97-106.

Key Words: databases, inference.

DOD-78
Proceedings, U.S. Army Automation Security Workshop, Leesburg, VA, December 1978, OACSI/DAMI-AMP, U.S. Department of the Army, Washington, DC, 1978.

Key Words: proceedings, general.

DOD-79
Proceedings, Seminar on the DOD Computer Security Initiative Program, Gaithersburg, MD, July 1979, OSD(CCCI), U.S., Department of Defense, Washington, DC, 1979.

Key Words: proceedings, trusted.

DOD-79a
Proceedings, Second U.S. Army Automation Security Workshop, Virginia Beach, VA, September 1979, OACSI/DAMI-AMP, U.S. Department of the Army, Washington, DC, 1979.

Key Words: proceedings, general.

DON-75
Donovan, J.J., and S.E. Madnick "Hierarchical Approach to Computer System Integrity," IBM Systems Journal, No. 2, 1975, pp. 188-202.

Key Words: integrity, design.

DON-76
Donovan, J.J., and S.E. Madnick "Virtual Machine Advantages in Security, Integrity, and Decision Support Systems," IBM Systems Journal, No. 3, 1976, pp. 270-278.

Key Words: integrity, methods, design.

DOW-77

Downs, D., and G.J. Popek "A Kernel Design for a Secure Database Management System," Proc. 3rd International Conf. on Very Large Data Base Systems, IEEE Computer Society, Los Angeles, CA, 1976, pp. 507-514.

Key Words: DBMS, kernel, design.

DOW-79

Downs, D., and G.J. Popek "Data Base Management System Security and Ingres," Proc. 5th Internat. Conf. on Very Large Data Base Systems, IEEE Computer Society, Los Angeles, CA, 1979, pp. 280-290.

Key Words: DBMS. design, case.

EVA-74

Evans, A., W. Kantrowitz, and E. Weiss "A User Authentication Scheme Not Requiring Secrecy in the Computer," Communications of the ACM, August 1974, pp. 437-412.

Key Words: authentication, techniques.

FAB-74

Fabry, R., "Capability-Based Addressing," Communications of the ACM, July 1974, pp. 403-411.

Key Words: capability, methods.

FEI-77

Feiertag, R.J., K.N. Levitt, and L. Robinson, "Proving Multilevel Security of A System Design," Proc. 6th ACM Symposium on Operating System Principles, 1977, pp. 57-65.

Key Words: MLS, verification, methods, design.

FEI-79

Feiertag, R.J., and P.G. Neumann "The Foundations of Provably Secure Operating Systems (PSOS)," Proc. 1979 Natl. Comp. Conf., AFIPS Press, Reston, VA, 1979, pp. 329-334.

Key Words: MLS, OS, design.

FRI-70

Friedman, T.D. "The Authorization Problem in Shared Files," IBM Systems Journal, No, 4, 1970, pp. 258-280.

Key Words: authorization, databases, methods.

GLA-77

Glaseman, S., R. Turn, and R.S. Gaines "Problem Areas in Computer Security Assessment," Proc. 1977 Natl. Comp. Conf.," AFIPS Press, Reston, VA, pp. 105-112.

Key Words: methods, risk.

GLA-78

Gladney, H.M. "Administrative Control of Computing Service," IBM Systems Journal, No. 2, 1978, pp. 151-178.

Key Words: management, control.

GOL-79

Gold, B.D., et al. "A Security Retrofit of VM/370," Proc. 1979 Natl. Comp. Conf., AFIPS Press, Reston, VA, pp. 335-344.

Key Words: MLS, OS, design, case.

GRA-68

Graham, R.M., "Protection in an Information Processing Utility," Communications of the ACM, May 1968, pp. 385-369.

Key Words: policy, models.

GRA-72

Graham, G.S., and P.J. Denning, "Protection -- Principles and Practice," Proc. Spring Joint Comp. Conf., AFIPS Press, Reston, VA., 1972, pp. 417-479.

Key Words: models, methods.

GRI-76

Griffiths, P.P., and B.W. Wade "An Authorization Mechanism for a Relational Database System," ACM Trans. Database Systems, September 1976, pp. 242-255.

Key Words: authorization, database, relational.

GUD-76

Gudes, E., H.S. Koch, and F.A. Stahl 'The Application of Cryptography for Data Base Security," Proc. 1976 Natl. Comp. Conf., AFIPS Press, Reston, VA, pp. 97-107.

Key Words: database, crypto.

HAN-76

Hantler, S.L., and J.C. King "An Introduction to Proving Correctness of Programs," ACM Computing Surveys, December 1976, pp. 331-353.

Key Words: verification, general.

HAR-76

Harrison, M.A., W.L. Ruzzo, and J.D. Ullman, "Protection in Operating Systems," Communications of the ACM, August 1976, pp. 461-471.

Key Words: models, theory.

HAR-78
Harrison, M.A.,and W.L. Ruzzo "Monotonic Protection Systems," in De Millo, R.A., (Ed.), Foundations of Secure Computations, (10: DEM-78), pp. 337-363.

Key Words: models, theory.

HIN-75
Hinke, T.H. and M. Schaefer, Secure Data Management System, RADC-TR-75-266, System Development Corp., Santa Monica, CA, 1975.

Key Words: DBMS, design, case.

HOF-70
Hoffman, L.J., and W.F. Miller "Getting a Person's Dossier from a Statistical Data Bank," Datamation, May 1970, pp. 74.

Key Words: threats, statistical.

HOF-71
Hoffman, L.J. "The Formulary Method for Flexible Privacy and Access Control," Proc. Fall Joint Comp. Conf., AFIPS Press, Reston, VA, 1971, pp. 587-601.

Key Words: control, methods.

HOF-73
Hoffman, L.J., (Ed.) Security and Privacy in Computer Systems, Melville Publishing Co., Los Angeles, CA, 1973.

Key Words: book, general.

HOF-77
Hoffman, L.J., Modern Methods for Computer Security and Privacy, Prentice Hall, Englewood Cliffs, NJ, 1977.

Key Words: book, methods.

HOF-78
Hoffman, L.J., and E. Michelman "SECURATE -- Security Evaluation and Analysis Using Fuzzy Metrics," Proc. 1978 Natl. Comp. Conf., AFIPS Press, Reston, VA, pp. 531-540.

Key Words: risk, methods, case.

HOY-73
Hoyt, D.B. (Ed.) Computer Security Handbook, McMillan, New York, 1973.

Key Words: book, general.

HSI-76
Hsiao, D.K., and R.I. Baum "Information Secure Systems," in Yovits, M., (Ed.) Advances in Computers, Vol. 15, 1976, Academic Press, New York, pp. 231-272.

Key Words: methods, database.

HSI-79
Hsiao, D.K., D.S. Kerr, and C. Nee "Data Base Access Control in the Presence of Context Dependent Protection Requirements," IEEE Trans. Software Engr., July 1979, pp. 349-358.

Key Words: database, control.

HSI-79a
Hsiao, D., D.S. Kerr, and S.E. Madnick, (Eds.) Computer Security, Academic Press, New York 1979.

Key Words: book, general.

JON-75
Jones, A,K., and R.J. Lipton, "The Enforcement of Security Policies for Computation," ACM Operating Systems Review, No. 5, 1975, pp. 197-206.

Key Words: policies, methods.

JON-75a
Jones, A.K., and W. Wulf, "Towards the Design of Secure Systems," Software Practice & Experience, Oct.-Dec., 1975, pp. 321-336.

Key Words: models, methods.

JON-78
Jones, A.K., and R. Lipton, "Protection Mechanism Models: Their Usefulness," in De Millo, R.A., (Ed.), Foundations of Secure Computations, 1978, (10: DEM-78), pp. 237-252.

Key Words: models, theory.

JON-78a
Jones, A. K., and B.H. Liskov "A Language Extension for Expressing Constaints on Data Access," Communications of the ACM, May 1978, pp. 358-367.

Key Words: models, control, case.

KAM-77
Kam, J.B. "A Model of Statistical Data Bases and Their Security," ACM Trans. Database Systems, March 1977, pp. 1-10.

Key Words: statistical, models.

KAT-73
Katzan, H., Jr. Computer Data Security, J.Wiley & Sons, New York, 1973.

Key Words: book, methods, general.

KIE-78
Kieburtz, R.B., A. Silberscatz "Capability Managers," IEEE Trans. Software Engr., November 1978, pp. 467-477.

Key Words: control, capability.

LAM-69
Lampson, B.W., "Dynamic Protection Structures," Proc. Fall Joint Comp. Conf., AFIPS Press, Reston, VA, 1969, pp. 27-38.

Key Words: models, methods.

LAM-71
Lampson, B.W., "Protection," Proc. 5th Princeton Conference on Information Systems Sciences, 1971, pp. 437-443.

Key Words: models, theory, methods.

LAM-73
Lampson, B.W., "A Note on the Confinement Problem," Communications of the ACM, October 1973, pp. 613-615.

Key Words: covert channel.

LAM-76
Lampson, B.W., and H.E. Sturgis "Reflections on an Operating System Design," Communications of the ACM, May 1976, pp. 251-265.

Key Words: OS, methods, design.

LAN-79
Lange, A.G. Fraud and Abuse in Government Benefit Programs, U.S. Department of Justice, Washington, DC, November 1979.

Key Words: crime, government.

LIN-75
Linde, T.A. "Operating System Penetration," Proc., 1975 Natl. Comp. Conf., AFIPS Press, Reston, VA, pp. 361-368.

Key Words: OS, vulnerabilities.

LIN-76
Linden, T.A., (Ed.) Security Analysis and Enhancements of Computer Operating Systems, IR 76-1041, National Bureau of Standards, Gaithersburg, MD, April 1976.

Key Words: OS, threats, design.

LIN-76a
Linden, T., "Operating System Structures to Support Security and Reliable Software," ACM Computing Surveys, December 1976, pp. 409-445.

Key Words: OS, design, methods.

LIP-77
Lipton, R.J., and L. Snyder "A Linear Time Algorithm for Deciding Subject Security," Journal of the ACM, July 1977, pp. 455-464.

Key Words: control, theory.

LIP-78
Lipton, R.J., and T.A. Budd "On Classes of Protection Systems," in De Millo, R.A., et. al., (Eds.), Foundations of Secure Computations, 1978, (10: DEM-78), pp. 281-296.

Key Words: models, theory.

LIP-78a
Lipton, R.J. and L. Snyder "On Synchronization and Security," in De Millo, R.A., et al., (Eds.), Foundations of Secure Computations, 1978 (10: DEM-78), pp. 367-385.

Key Words: models, theory.

LOR-77
Lorie, R.A. "Physical Integrity in a Large Segmented Data Base," ACM Trans. Database Systems, March 1977, pp. 91-104.

Key Words: database, integrity.

MAC-79
MacCauley, E., P. Drongowski, "KSOS -- The Design of A Secure Operating System," Proc., 1979 Natl. Comp. Conf., AFIPS Press, Reston, VA, pp. 345-353.

Key Words: MLS, OS, design.

MCP-74
McPhee, W.S. "Operating System Integrity of OS/VS2," IBM Systems Journal, No. 3, 1974, pp. 230-252.

Key Words: OS, vulnerabilities.

MIL-76
Millen, J., "Security Kernel Validation In Practice," Communications of the ACM, May 1976, pp. 243-250.

Key Words: verification, kernel.

MIL-78
Millen, J.K. "Constraints and Multilevel Security," in DeMillo, R., et. al. (Eds.), Foundations of Secure Computing, (10: DEM-78), 1978, pp. 205-222.

Key Words: MLS, models, theory.

MIN-76
Minsky, N. "Intentional Resolution of Privacy Protection in Database Systems," Communications of the ACM, March 1976, pp. 148-159.

Key Words: database, methods.

MIN-78
Minsky, N. "The Principle of Attenuation of Privileges and Its Ramifications," in DeMillo, R., (Eds.) Foundations of Secure Computing, Academic Press, New York, 1978, pp. 255-276.

Key Words: models, theory.

MOR-73
Morris, J.H.
"Protection in Programming Languages," Communications of the ACM, January 1973, pp. 15-21.

Key Words: methods, software.

MOR-79
Morris, R., and K. Thompson
"Password Security: A Case History," Communications of the ACM, November 1979, pp. 594-597.

Key Words: control, case.

NEE-72
Needham. R.M.
"Protection Systems and Protection Implementation," Proc. Fall Joint Comp. Conf., AFIPS Press, Reston, VA, pp. 571-578.

Key Words: models, methods.

NEE-77
Needham, R.M., and R. Walker
"The Cambridge CAP Computer and Its Protection System," ACM Operating Systems Review, No. 4, 1977, pp. 1-10.

Key Words: OS, methods, case.

NEU-76
Neumann, P.G., et al.
"Software Development and Proofs of Multilevel Security," Proc., 2nd Internat. Conf. on Software Engr., October 1976,

Key Words: MLS, verification.

NEU-77
Neumann, P.G., et al.
A Provably Secure Operating System: The System, Its Applications, and Proofs, Stanford Research Institute, Menlo Park, CA, 1977.

Key Words: OS, verification, methods, design.

NEU-78
Neumann, P.G.,
"Computer Security Evaluation," Proc. 1978 Natl. Comp. Conf., AFIPS Press, Reston, VA, pp. 1087-1095.

Key Words: threats, risk, methods.

NIE-75
Nielsen, N.R.
"Computers, Security, and the Audit Function," Proc., 1975 Natl. Comp. Conf., AFIPS Press, Reston, VA, pp. 947-954.

Key Words: control, auditing.

NIE-76
Nielsen, N.R., B.Ruder, and D.H. Brandin,
"Effective Safeguards for Computer System Integrity," Proc. 1976 Natl. Comp. Conf. AFIPS Press, Reston, VA, pp. 75-84.

Key Words: integrity, methods.

ORC-78
Orceyre, M.J., and R. Courtney, Jr.
Considerations in the Selection of Security Measures for Automatic Data Processing Systems, SP 500-50, National Bureau of Standards, Giathersburg, MD, June 1978.

Key Words: guidelines, methods.

PET-67
Peters, B.
"Security Considerations in a Multi-Purpose Computer Systems," Proc. 1967 Spring Joint Comp. Conf., AFIPS Press, Reston, VA, pp. 283-286.

Key Words: methods, design.

POP-78
Popek, G , and C. Kline,
"Issues in Kernel Design," Proc., 1978 Natl. Comp. Conf., AFIPS Press, Reston, VA, pp. 1079-1086.

Key Words: OS, kernel, design.

POP-78a
Popek, G.J., and D.A. Farber,
"A Model for Verification of Data Security in Operating Systems," Communications of the ACM, September 1978, pp. 737-749.

Key Words: OS, verification.

POP-79
Popek, G., et al.,
"UCLA Secure Unix," Proc. 1979 Natl. Comp. Conf., AFIPS Press, Reston, Va, pp. 355-364.

Key Words: OS, design, case.

PUR-74
Purdy, G.
"A High Security Log-In Procedure," Communications of the ACM, August 1974, pp. 442-445.

Key Words: control, methods.

REE-74
Reed, S.K.,
D. Branstad, (Eds.)
Controlled Accessibility Workshop Report, TN 827, National Bureau of Standards, Gaithersburg, MD, May 1974.

Key Words: proceedings, models.

REI-78
Reiss, S.P.
"Medians and Database Security," in De Millo, R.A., et. al. (Eds.), Foundations of Secure Computing, 1978 (10: DEM-78), pp. 57-91.

Key Words: statistical, methods.

RUD-78
Ruder, B., and J.D. Madden
An Analysis of Computer Security Safeguards for Detecting and Preventing Intentional Computer Misuse, SP 500-25, National Bureau of Standards, Gaithersburg, MD, January 1978.

Key Words: threats, methods.

RUT-77
Ruthberg, Z.,
R. McKenzie (Eds.)
Audit and Evaluation of Computer Security, Proceedings of an Invitational Workshop, SP 500-19, National Bureau of Standards, Gaithersburg, MD, October 1977.

Key Words: proceedings, control, auditing.

SAL-74
Saltzer, J.,
"Protection and Control of Information Sharing in MULTICS," Communications of the ACM, July 1974, pp. 388-402.

Key Words: control, methods, case.

SAL-75
Saltzer, J., and
M.A. Schroeder,
"The Protection of Information in Computer Systems," Proceedings of the IEEE, September 1975, pp. 1278-1308.

Key Words: control, methods.

SCH-72
Schroeder, M.A., and
J.Saltzer,
"A Hardware Architecture for Implementing Protection Rings," Communications of the ACM, March 1972, pp. 157-170.

Key Words: control, hardware.

SCH-77
Schaefer. M., et al.
"Program Confinement in KVM/370," Proc. 1977 ACM National Conf., ACM, 1977, pp. 404-410.

Key Words: OS, methods, case.

SCH-77a
Schroeder, M.D., D.D. Clark, and J.H. Saltzer
"The Multics Kernel Design Project," Proc. 6th ACM Symposium on Operating Systems Principles, ACM, 1977, pp. 43-56.

Key Words: OS, kernel, design.

SCH-79
Schwartz, M.D.,
D.E. Denning, and
P.J. Denning
"Linear Queries in Statistical Databases," ACM Trans. Database Systems, March 1979, pp. 156-167.

Key Words: threats, statistical.

STO-74
Stonebraker, M., and E. Wong
"Access Control in a Relational Data Base Management System by Query Modification," Proc. 1974 ACM Annual Conf., ACM, 1974, pp. 180-186.

Key Words: DBMS, control, case.

STO-76
Stonebraker, M., P. Rubenstein
"The INGRES Protection System," Proc. 1976 ACM Natl. Conf., ACM, 1976, pp. 80-84.

Key Words: DBMS, control, case.

VER-78
Verhofstad, J.S.M.
"Recovery Techniques for Database Systems," ACM Computing Surveys, June 1978, pp. 167-195.

Key Words: darabase, rceovery.

WAL-74
Walter, K.G. et al,
Primitive Models for Computer Security, ESD-TR-4-117, Case Western Reserve University, Cleveland, OH, 1974.

Key Words: MLS, models, theory.

WAR-67
Ware, W.H.
"Security and Privacy in Computer Systems," Proc. Spring Joint Comp. Conf., AFIPS Press, Reston, VA, 1967, pp. 279-282.

Key Words: policy, general.

WAR-67a
Ware, W.H.
"Security and Privacy: Similarities and Differences," Proc. Spring Joint Comp. Conf., AFIPS Press, Reston, VA, 1967, pp. 287-290.

Key Words: requiremnets, general.

WAR-70
Ware, W.H., (Ed.)
Security Controls for Computer Systems, Report R-609, Rand Corporation, Santa Monica, CA, February 1970, (Reissued as R-609-1, October 1979).

Key Words: policy, models, methods.

WEI-69
Weissman, C.,
"Security Controls in the ADEPT-50 Time-Sharing System," Proc. Fall Joint Comp. Conf., AFIPS Press, Reston, VA, 1969, pp. 119-133.

Key Words: MLS, OS, models, case.

WEI-75
Weissman, C.
"Secure Computer Operation with Virtual Machine Partioning," Proc., 1975 Natl. Comp. Conf., AFIPS Press, Reston, VA, pp. 929-934.

Key Words: OS, methods, design.

WOO-77
Wood, H.
The Use of Passwords for Controlled Access to Computer Resources, SP 500-9, National Bureau of Standards, Gaithersburg, MD, May 1977.

Key Words: guidelines, control.

WOO-79
Woodward, J.P.L.
"Applications of Multilevel Secure Operating Systems," Proc. 1979 Natl. Comp. Conf., AFIPS Press, Reston, VA, pp. 821-830.

Key Words: MLS, OS, general.

C. Communications Security

AME-78
Ames, S.R.,
D.R. Oesterreicher
"Design of a Message Processing System for a Multilevel Secure Environment," Proc. 1978 Natl. Comp. Conf., AFIPS, Reston, VA, pp. 765-771.

Key Words: MLS, design, case.

BLA-79
Blakely, G.R.,
"Safeguarding Cryptographic Keys," Proc. 1979 Natl. Comp. Conf., AFIPS Press, Reston, VA, pp. 313-317.

Key Words: crypto, keys, control.

BRA-78
Branstad, D.K. (Ed.)
Computer Security and the Data Encryption Standard, SP 500-27, National Bureau of Standards, Gaithersburg, MD, February 1978.

Key Words: DES, crypto, general.

BRA-78
Branstad, D.K.
"Security of Computer Communications," IEEE Communications Magazine, November 1978, pp. 33-40.

Key Words: methods, networks.

BRI-76
Bright, H.S., and R.L. Enison
"Cryptography Using Modular Software Elements," Proc. 1976 Natl. Comp. Conf., AFIPS, Reston, VA, pp. 113-123.

Key Words: crypto, software.

BUR-76
Burris, H.R.
"Computer Network Cryptography Engineering," Proc. 1976 Natl. Comp. Conf., AFIPS Press, Reston, VA, pp. 91-96.

Key Words: crypto, design.

COL-78
Cole, G.D., and F. Heinrich
Design Alternatives for Computer Network Security, SP 500-21, National Bureau of Standards, Gaithersburg, MD, January 1978.

Key Words: network, design.

DEN-79
Denning, D.E.
"Secure Personal Computing in an Unsecure Network," Communications of the ACM, August 1979, pp. 476-482.

Key Words: PC, network, crypto.

DIF-76
Diffie, W., and M. Hellman,
"New Directions in Cryptography," IEEE Trans. on Inform. Theory, November 1976, pp. 644-654.

Key Words: crypto, theory.

DIF-77
Diffie, W., and M.E. Hellman "Exhaustive Cryptanalysis of the NBS Data Encryption Standard," IEEE Computer, June 1977, pp. 74-84.

Key Words: DES, analysis.

DIF-79
Diffie, W., and M. Hellman, "Privacy and Authentication: An Introduction to Crtyptography," Proceedings of the IEEE, March 1979, pp. 397-429.

Key Words: crypto, genral.

EHR-78
Ehrsam, W.F., et al. "A Cryptographic Key Management Scheme for Implementing the Data Encryption Standard," IBM Systems Journal, No. 2, 1978, pp. 106-125.

Key Words: DES, crypto, keys.

FEI-75
Feistel, H., W. Notz, and J. Smith, "Some Cryptographic Techniques for Machine-to-Machine Data Communications," Proceedings of the IEEE, November 1975, pp. 1545-1554.

Key Words: crypto, general.

GAI-77
Gait, J. Validating the Correctness of the Hardware Implementations of the Data Encryption Standard, SP 500-20, National Bureau of Standards, Gaithersburg, MD, November 1977.

Key Words: DES, crypto, hardware.

GAO-77
Vulnerabilities of Telecommunications Systems to Unauthorized Use, LSD-77-102, U.S. General Accounting Office, Washington, DC, 31 March 1977.

Key Words: network, threats.,

HEL-77
Hellman, M.E. "An Extension of Shannon Theory Approach to Cryptography," IEEE Trans. Informat. Theory, May 1977, pp. 289-294.

Key Words: crypto, theory.

KAH-67
Kahn, D. The Codebreakers, Macmillan, New York, 1967.

Key Words: book, crypto, general.

KAM-78
Kam, J.B., and G.I. Davida "A Structured Design of Substitution Permutation Encryption Network," De Millo, R.A., (Ed.), Foundations of Secure Computing, 1978, (10: DEM-78), pp. 95-131.

Key Words: crypto, design.

KAR-78
Karger, P.A. "The Lattice Model in a Public Computing Network," Proc. ACM Natl. Comp. Conf., 1978, pp. 453-459.

Key Words: modesl, network.

KLI-79
Kline, C.S., and G.J. Popek "Public-Key vs. Conventional Key Encryption," Proc. 1979 Natl. Comp. Conf., AFIPS Press, Reston, VA, pp. 831-838.

Key Words: crypto, public-key.

LEM-79
Lempel, A. "Cryptology in Transition," ACM Computing Surveys, December 1979, pp. 285-303.

Key Words: crypto, general.

LEN-78
Lennon, R.E., "Cryptography Architecture for Information Security," IBM Systems Journal, No. 2, 1978, pp. 138-150.

Key Words: crypto, design.

LIE-78
Lientz, B.P., and I.R. Weiss "Tradeoffs of Secure Processing in Centralized vs. Distributed Networks," Computer Networks, February 1978, pp. 35-43.

Key Words: networks, design.

MAT-78
Matyas, S.M., and C.H. Meyer "Generation, Distribution, and Installation of Cryptographic Keys," IBM Systems Journal, No. 2, 1978, pp. 126-137.

Key Words: crypto, methods, keys.

MAT-79
Matyas, S.M. "Digital Signatures: An Overview," Computer Networks, April 1979, pp. 87-94.

Key Words: signatures, general.

MER-78
Merkle, R., "Secure Communication Over Insecure Channels," Communications of the ACM, April 1978, pp. 294-299.

Key Words: crypto, methods.

MER-78a
Merkle, R.C., and M.E. Hellman "Hiding Information and Signatures in Trapdoor Knapsacks," IEEE Trans. on Inform. Theory, September 1978, pp. 525-530.

Key Words: crypto, knapsack.

MEY-73
Meyer, C.H. "Design Considerations for Cryptography," Proc. 1973 Natl. Comp. Conf., AFIPS Press, Reston, VA, 1973.

Key Words: crypto, design.

MEY-78
Meyer, C.H. "Ciphertext/Plaintext and Ciphertext/Key Dependence vs. Number of Rounds for the Data Encryption Standard," Proc. 1978 Natl. Comp. Conf., AFIPS Press, Reston, VA, pp. 1119-1126.

Key Words: DES, design.

MIC-79
Michelman, E.H. "The Design and Operation of Public-Key Cryptosystems," Proc. 1979 Natl. Comp. Conf., AFIPS Press, Reston, VA, pp. 115-119.

Key Words: crypto, public-key, design.

NBS-77
Data Encryption Standard, FIPS PUB 46, National Bureau of Standards, Gaithersgurg, MD, 15 January 1977.

Key Words: DES, crypto, general.

NEE-78
Needham, R. and Schroeder, M., "Using Encryption for Authentication in Large Networks of Computers," Communications of the ACM, December 1978, pp. 993-999.

Key Words: crypto, control, authentication.

PAD-79
Padlipsky, M.A., et al. "KSOS -- Computer Network Applications," Proc. 1979 Na. Comp. Conf., AFIPS Press, Reston, VA, pp. 373-382.

Key Words: OS, network, methods.

PEL-79
Peleg, S., and A. Rosenfeld "Breaking Substitution Ciphers Using a Relaxation Algorithm," Communications of the ACM, November 1979, pp. 598-605.

Key Words: analysis, crypto, algorithms.

PLE-77
Pless, V.S. "Encryption Schemes for Computer Confidentiality," IEEE Trans. on Computers, November 1977, pp. 1133-1136.

Key Words: control, crypto.

POP-78
Popek, G.J., and C.S. Kline "Encryption Protocols, Public Key Algorithms and Digital Signatures in Computer Networks," in De Millo, R.A., (Ed.), Foundations of Secure Computing, 1978, (10: DEM-78), pp. 133-153.

Key Words: crypto, protocols.

POP-79
Popek, G.J., and C.S. Kline "Encryption and Secure Computer Networks," ACM Computing Surveys, December 1979, pp. 331-356.

Key Words: cryoto, networks.

RAB-78
Rabin, M.O. "Digitalized Signatures," in De Millo, R.A., (Ed.), Foundations of Secure Computing, 1978, (10: DEM-78), pp. 155-168.

Key Words: signatures, general.

RIV-78
Rivest, R., A. Shamir, and L. Adleman "A Method for Obtaining Digital Signatures and Public-Key Cryptosystems," Communications of the ACM, February 1978, pp. 120-126.

Key Words: RSA, public-key, signatures.

SHA-49
Shannon, C.E., "A Communications Theory of Secrecy Systems," Bell System Techn. Journal, October 1949, pp. 656-715.

Key Words: crypto, theory.

SHA-79
Shamir, A. "How to Share a Secret, Communications of the ACM, November 1979, pp. 612-613.

Key Words: crypto, protocols.

SKA-69
Skatrud, R.O. "A Consideration of Applying Cryptographic Techniques to Data Processing," Proc., Fall Joint Comp. Conf., AFIPS Press, Reston, VA, 1969, pp. 111-117.

Key Words: crypto, methods.

SIM-79
Simmons, G.,
"Symmetric and Asymmetric Encryption," ACM Computing Surveys, December 1979, pp. 117-128.

Key Words: crypto, methods.

SMI-72
Smith, J.L., W.A. Notz, and P.R. Osseck
"An Experimental Application of Cryptography to a Remotely Accessed Data System," Proc. ACM Natl. Conf., 1972, pp. 282-297.

Key Words: crypto, case.

SMI-79
Smid, M.E.
A Key Notarization System for Computer Networks, SP 500-54, National Bureau of Standards, Gaithersburg, MD, October 1979.

Key Words: crypto, management, keys, case.

TUR-73
Turn, R.
"Privacy Transformations for Databank Systems," Proc. 1973 Natl. Comp. Conf., AFIPS Press, Reston, VA, pp. 589-600.

Key Words: crypto, general.

WIN-74
Winkler, S., and L. Danner
"Data Security in the Communications Environment," IEEE Computer, February 1974, pp. 23-31.

Key Words: methods, network.

WOO-77
Wood, H.M.
"Using Passwords for Controlling Access to Remote Computer Systems and Services," Proc. 1977 Natl. Comp. Conf., AFIPS Press, Reston, VA, pp. 27-33.

Key Words: control, network, passwords, methods.

WOO-79
Wood, H.M.
"Access Control Mechanisms for a Network Operating System," Proc. 1979 Natl. Comp. Conf., AFIPS Press, Reston, VA, pp. 821-830.

Key Words: OS, control, network.

D. Privacy

BER-75
Berg, J. (Ed.)
Exploring Privacy and Data Security Costs: Summary of a Workshop, TN 876, National Bureau of Standards, Gaithersburg, MD, August 1975.

Key Words: privacy, design.

COE-73
Protection of the Privacy of Individuals Vis-a-Vis Electronic Data Banks in the Private Sector, Resolution (73)22, Council of Europe, Strassbourg, France, 26 September 1973.

Key Words: privacy, policy.

COE-74
Protection of the Privacy of Individuals Vis-a-Vis Electronic Data Banks in the Public Sector, Resolution (74)29, Council of Europe, Strassbourg, France, 20 September 1974.

Key Words: privacy, policy.

CON-68
Privacy and the National Databank Concept, House Report No. 1842, House Committee on Government Operations, U.S. Congress, Washington, DC, May 2, 1968.

Key Words: Congress, privacy.

CON-74
Privacy Act of 1974, (P.L. 93-579), U.S. Congress, Washington, DC, 1974.

Key Words: PA, privacy, laws.

CON-76
Legislative History of the Privacy Act of 1974, Source Book on Privacy, Senate Committee on Government Operations, U.S. Congress, Washington, DC, 1976.

Key Words: Congress, PA, privacy.

CTF-72
Privacy and Computers, Report of A Task Force of Departments of Communication and Justice, Information Canada, Ottawa, 1972.

Key Words: privacy, foreign.

DUN-67
Dunn, E.S., Jr.
"The Idea of National Data Center and the Issue of Personal Privacy," American Statistician, February 1967, pp. 21-27.

Key Words: privacy, threats, methods.

FLA-79
Flaherty, D.H.
Privacy and Government Data Banks: International Perspective, Mansell Publishing, London, 1979.

Key Words: book, privacy, foreign.

FON-77
Fong, E.
A Data Base Management Approach to Privacy Act Compliance, SP 500-10, National Bureau of Standards, Gaithersburg, MD, June 1977.

Key Words: privacy, PA, methods.

GOL-75
Goldstein, B.
The Cost of Privacy, Honeywell Information Systems, Brighton, MA, 1975.

Key Words: book, privacy, design.

GOL-76
Goldstein, R.C., H.H. Seward, and R.L. Nolan
A Methodology for Evaluating Alternative Technical and Information Management Approaches to Privacy Requirements, TN 906, National Bureau of Standards, Gaithersburg, MD, June 1976.

Key Words: privacy, methods.

HAR-67
Harrison, A.
The Problem of Privacy in the Computer Age: An Annotated Bibliography, RM-5495-PR/RC, The Rand Corporation, Santa Monica, CA, December 1967.

Key Words: privacy, awareness.

HAR-69
Harrison, A.
The Problem of Privacy in the Computer Age: An Annotated Bibliography, Vol. 2, RM-5495/1-PR/RC, The Rand Corporation, Santa Monica, CA, December 1969.

Key Words: privacy, awareness.

HOF-69
Hoffman, L.J.
"Computers and Privacy: A Survey," ACM Computing Surveys, June 1969, pp. 85-103.

Key Words: privacy, general.

HON-75
Hondius, F.W.
Emerging Data Protection in Europe, North-Holland Publishing Co., Amsterdam, 1975.

Key Words: privacy, foreign.

HUN-74
Hunt, M.K., and R. Turn
Privacy and Security in Databank Systems: An Annotated Bibliography, R-1361-NSF, The Rand Corporation, Santa Monica, CA, 1974.

Key Words: privacy, awareness.

KIR-79
Kirby, M.D.
"Developing International Rules to Privacy," Computer Networks, June 1979, pp. 149-163.

Key Words: privacy, policy, foreign, laws.

LIN-77
Linowes, D.F. (Chrmn.)
Personal Privacy in an Information Society, Report of the Privacy Protection Study Commission, Government Printing Office, Washington, DC, 1977.

Key Words: privacy, general, PA, policy, laws.

LIN-78
Lindrop, N. (Chrmn.)
Report of the Committee on Data Protection, Cmnd. 7341, Her Majesty's Stationery Office, London, December 1978.

Key Words: privacy, general, policy, foreign.

MAS-79
Masuda, Y,
"Privacy in the Future Information Society," Computer Networks, June 1979, pp. 164-170.

Key Words: privacy, general.

MIL-69
Miller, A.R.
"Personal Privacy in the Computer Age: The Challenge of a New Technology in an Information-Oriented Society," Michigan Law Review, April 1969, pp. 1089-1247.

Key Words: threats, privacy, policy, requirements.

MIL-71
Miller, A.
The Assault on Privacy, University of Michigan Press, Ann Arbor, MI, 1971.

Key Words: book, privacy, policy, threats, laws.

MUR-72
Murray, J.A., (Ed.)
Information Processing and the Right of Privacy: A Crossroads Decision for North Americans, University of Windsor Press, Windsor, Canada, 1972.

Key Words: proceedings, privacy, policy, foreign.

OEC-76
Policy Issues in Data Protection and Privacy, Proc., 1974 OECD Seminar in Paris, Organization for Economic Cooperation and Development, Paris, 1976.

Key Words: proceedings, privacy, policy, foreign.

OEC-79
Transborder Data Flows and the Protection of Privacy, Proc. 1977 OECD Symposium in Vienna, Organization for Economic Cooperation and Development, Paris, 1979.

Key Words: proceedings, privacy, TDF, policy, foreign.

ONL-76
Privacy and the Computer, OnLine Conferences, Ltd., Uxbridge, England, 1976.

Key Words: proceedings, privacy, policy, foreign, laws.

ONL-78
Transnational Data Regulation, Proceedings of Brussels Conf., OnLine Conferences, Ltd., Uxbridge, England, 1978.

Key Words: proceedings, TDF, privacy, foreign.

ROO-79
Rooms, P.L.P, and
J.D. Rooms
"Problems of Data Protection Law for Private Multinational Communications Networks," Computer Networks, June 1979, pp. 205-218.

Key Words: TDF, privacy, laws.

ROS-89
Rosenberg, J.M.
The Death of Privacy, Random House, New York, 1969.

Key Words: book, privacy, threats.

SIE-76
Sieghart, P.
Privacy and Computers, Latimer, London, 1976.

Key Words: book, privacy, general.

SMI-79
Smith, R.E.
Privacy -- How to Protect What's Left of It, Anchor Press/Doubleday, New York, 1979.

Key Words: book, privacy, general.

STA-79
Stadler, G.
"Survey of National Data Legislation," Computer Networks, June 1979, pp. 174-186.

Key Words: privacy, lwas, foreign.

STE-79
Steinmueller, W.,
"Legal Problems of Computer Networks: A Methodical Survey," Computer Networks, June 1979, pp. 187-198.

Key Words: privacy, laws, networks.

TUR-76
Turn, R., and W.H. Ware
"Privacy and Security Issues in Information Systems," IEEE Trans. on Computers, December 1976, pp. 1353-1361.

Key Words: privacy, general.

TUR-77
Turn, R.
"Privacy Protection in Information Systems," in Yovits, M.C. (Ed.), Advances in Computers, Vol. 16, 1977, pp. 221-335.

Key Words: privacy, general.

TUR-79
Turn R. (Ed.)
Transborder Data Flows, Vol. 1: Concerns for Privacy and Free Flow of Information, AFIPS Press, Reston, VA, 1979.

Key Words: TDF, policy, general.

UCL-68
"The Computerization of Government Files: What Impact on Individual?," UCLA Law Review, September 1968, pp. 1371-1498.

Key Words: privacy, threats.

WAR-73
Ware, W.H. (Chmn.) Records, Computers, and Rights of Citizens, HEW Secretary's Advisory Commit. on Automated Personal Data Systems, Dept. of Health, Education and Welfare, Washington, DC, July 1973.

Key Words: privacy, policy.

WES-67
Westin, A.F. Privacy and Freedom, Atheneum Publishers, New York, 1967.

Key Words: privacy, general.

WES-72
Westin, A.F., and M.A. Baker Databanks in a Free Society, Quadrangle Books, New York, 1972.

Key Words: privacy, general.

WES-76
Westin, A.F. Computers, Health Records, and Citizen Rights, NBS Monog. 157, National Bureau of Standards, Gaithersburg, MD, December 1976.

Key Words: privacy, medical.

WES-79
Westin, A.F. Computers, Personnel Administration, and Citizen Rights, SP 500-50, National Bureau of Standards, Gaithersburg, MD, DC, July 1979.

Key Words: privacy, policy, employment.

YOU-72
Younger, K. (Chrmn.) Report to the Committee on Privacy, Cmnd. 5012, Her Majesty's Stationery Office, London, July 1972.

Key Words: privacy, foreign.

Appendix A: Periodicals

This appendix contains a list of the periodicals cited in this bibliography.

Assets Protection.
Paul D. Shaw, Editor. Assets Protection Publishing, PO Box 5323, Madison, WI 53705. 608-231-3817 (Vol. 5 in 1989).

Auerbach Data Security Management Bimonthly.
Rich Mansfield, Editor. Auerbach Information Management Series, Auerbach Publishers Inc., a Warren, Gorham & Lamont company, One Penn Plaza, New York, NY 10119. 212-971-5000 (Vol. 9 in 1989).

IEEE Cipher Quarterly. Newsletter of the IEEE Computer Society's Technical Committee on Security and Privacy.
Dave Bailey, Editor. IEEE Computer Society, 1730 Massachusetts Ave. N.W., Washington, DC 20036-1903. 505-846-4600 (Vol. 10 in 1989).

COM-AND, Computer Audit News and Developments Bimonthly.
J.F. Kuong, Editor. Management Advisory Publicat., PO Box 81151, Wellesley Hills, MA 02181. 617-235-2895 (Vol. 7 in 1989).

Computer Control Quarterly.
K.J. Fitzgerald, Editor. 26 Washington Avenue, East Malvern, Victoria, 3145 Australia. (Vol. 9 in 1989).

Computer Fraud and Security Bulletin Monthly.
Michael Comer, Editor. Elsevier Science Publishing Ltd., Mayfield House, 256 Bradbury Road, Oxford OX2 7DH, U.K. (Vol. 11 in 1989).

Computer Law and Security Report Bimonthly.
Stephen Saxby, Editor. Eclipse Publications Ltd., 18-20 Highbury Place, London, N5 1QP, U.K., Tel:01-354-5858. Ed: 0703-593404 (Vol. 5 in 1989).

Computer/Law Journal Quarterly.
Michael D. Scott, Editor. Center for Computer/Law, PO Box 3549, Manhattan Beach, CA 90266. 213-470-6361 (Vol. 9 in 1989).

Computer Security Newsletter Bimonthly.
Russell Kay, Editor. Computer Security Institute, 360 Church Street, Northboro, MA 01532. 508-393-2600 (No. 90 in Oct. 1989).

Computer Security Digest Monthly.
Jack Bologna and Tim Schabeck, Editors. Computer Protection Systems, Inc., 150 North Main St., Plymouth, MI 48170. 313-459-8787 (Vol. 7 in 1989).

Computer Security Journal Irregular.
Russel Kay, Editor. Computer Security Institute, 360 Church Street, Northboro, MA 01532. 508-393-2600 (Vol. 5 in 1989).

Computer Security Products Report Quarterly.
Paul D. Shaw, Editor. The Territorial Imperative Inc., PO Box 5323, Madison, WI 53705. 608-231-3817 (New in 1986).

Computers & Security Quarterly.
Paul Evans, Editor. Elsevier Science Publishing Ltd., Mayfield House, 256 Bradbury Road, Oxford OX2 7DH, U.K. (Vol. 8 in 1989).

Computers & Society Quarterly.
Richard S. Rosenberg, Editor. Newsletter, ACM Special Interest Group on Computers and Society (SIG/CAS), 11 West 42nd Street, New York, NY 10036. Ed: 604-228-4142 (Vol. 19 in 1989).

COM-SAC: Computer Security, Auditing and Controls Quarterly.
J.F. Koung, Editor. Management Advisory Publicat., PO Box 81151, Wellesley Hills, MA 02181. 617-235-2895 (Vol. 16 in 1989).

Corporate Security Digest Weekly.
Betty B. Borsage, Editor. 3918 Prosperity Ave., Suite 318, Fairfax, VA 22031-3334. 703-573-1600 (Vol. 3 in 1989).

CPR-J: Contingency Planning & Recovery Journal Quarterly.
J.F. Koung and C.M. Winters, Editors. Contingency Planning & Recovery Institute and Management Advisory Publications, PO Box 81151, Wellesley Hills, MA 02181. 617-235-2895 (Vol. 3 in 1989).

Cryptologia Quarterly.
David Kahn, et al., Editors. Rose-Hulman Institute of Technology, Terre Haute, IN 47803. 812-877-1511 (Vol. 13 in 1989).

Cryptosystem Journal Irregular.
Tony Patti, Editor.
9755 Oatley Lane, Burke,
VA 22015. 703-451-6664
(Vol. 2 in 1989).

Data Processing Auditing Report
Monthly.
Belden Menkus, Editor.
John Wiley & Sons, 600 3rd
Avenue, New York, NY
10158. 212-692-6000 (Vol.
11 in 1989).

Data Processing &
Communications Security
Quarterly.
Paul D. Shaw, Editor.
Assets Protection Publishing,
PO Box 5323, Madison, WI
53705. 608-231-3817 (Vol.
13 in 1989).

Datapro Reports on Information
Security Monthly.
Kristen A. Noakes-Fry,
Editor.
Datapro Research
Corporation, 600 Delran
Parkway, Delran, NJ 08075.
609-764-0100.

Data Security Letter 9 times a
year.
Theresa F. Lunt, Editor.
Berson & Lunt, PO Box
1593, Palo Alto, CA 94302.
415-325-3662 (Vol. 3 in
1989).

Disaster Recovery Journal
Quarterly.
Richard Arnold,
Editor-in-Chief.
5712 Meramar Drive, St.
Louis, MO 63129.
314-846-1001 (Vol. 2 in
1989)

EDPACS: EDP Audit, Control
and Security Newsletter Monthly.
Belden Menkus,
Editor-in-Chief.
Warren, Gorham & Lamont,
One Penn Plaza, New York,
NY 10119. (Vol. 17 in
1989).

EDP Auditor Quarterly.
William E. Perry, Editor.
EDP Auditors Association, 373
S. Schmale Rd, Carol Stream,
IL 60187. 312-653-0950 (Vol.
18 in 1989).

EDP Security Bulletin/Securite de
L'informatique Irregular.
Linda Kirk, Editor.
EDP Security Branch, Royal
Canadian Mounted Police, 1200
Vanier Parkway, Ottawa, K1A
OR2 Canada. 613-993-8783

IACR Newsletter Quarterly.
Newsletter of the International
Association for Cryptologic
Research.
G.B. Agnew, Editor.
Editor: Dept. of Electrical
Engineering, University of
Waterloo, Waterloo, Ontario
N@L 3G1, Canada.
519-885-1211 Ext. 3041 (Vol. 6
in 1989).

Information Age Quarterly.
J. Hayes, Editor.
Butterworth Scientific Ltd., PO
Box 63, Westbury House, Bury
Street, Guilford, Surrey GU2
5BH, England. (Vol. 11 in
1989).

Information Privacy
See Information Age

Information Security Advisor
Monthly.
Sanford Sherizen, Editor.
Auerbach Publishers, Inc. A
Warren, Groham and Lamont
Company, 210 South Street,
Boston, MA 02111.
212-971-5271.

Information Security Monitor
Jack Smith, Editor.
IBC Technical Services Ltd.,
57/61 Mortimer Street, IBC
House, Canada Road, Byfleet,
Surrey, KT14 7JL, U.K.

Internal Auditor Bimonthly.
Institute of Internal Auditors,
149 Maitland Avenue,
Altamonte Springs, FL 32701.
305-830-7600.

International Computer Law
Advisor Monthly.
Michael Scott, Editor.
Law and Technology Press,
PO Box 3280, Manhattan
Beach, CA 90266.
213-470-9976 (Vol. 3 in
1989).

ISAC Info (Information Security
and Access Control) Bi-monthly.
Isolation Systems Inc., 14800
Quorum Drive, Dallas, TX
75240. 214-404-0897 (Vol. 1
in 1989).

ISPNews: INFOSecurity Product
News Bimonthly.
498 Concord Street,
Farmington, MA 01701.
508-879-7999 (New in 1990).

ISSA Access Quarterly.
Cherie G. Smith, Editor.
Information Systems Security
Association, Inc., PO Box
9457, Newport Beach, CA
92658. 714-250-4772 (Vol. 2
in 1989).

Journal of Cryptology Irregular.
Ernest F. Brickell,
Editor-in-Chief.
International Association of
Cryptologic Research. Springer
Verlag New York, Inc., 175
Fifth Ave., New York, NY
10010. 212-460-1612 (Vol. 1
in 1989).

Journal of Information Systems
Security Quarterly.
Gregory W. Therklasen,
Peter S. Browne, and
William H. Murray,
Consulting Editors.
Auerbach Publishers, A
Division of Gorham &
Lamont, Inc., 210 South
Street, Boston, MA
02111-9990. 800-950-1217
(New in 1989)

Journal of Security Administration
Semiannual.
Norman R. Bottom, Editor.
London House Press, 1550
Northwest Highway, Park
Ridge, IL 60068.
305-279-9437 (Vol. 11 in
1989).

PIN: Personal Identification News
11 times a year.
Ben Miller and George Warfel, Editors.
Warfel & Miller, Inc., PO Box 11018, Washington, DC 20008. 301-652-9050 (Vol. 5 in 1989).

Privacy Journal Monthly.
Robert E. Smith, Editor.
PO Box 15300, Washington DC 20003. 202-547-2865 (Vol. 15 in 1989).

Privacy Times Bi-weekly.
Evan Hendricks, Editor.
PO Box 21501, Washington, DC 20009. 202-526-2415 (Vol. 7 in 1986).

Quality Assurance Quest Monthly.
W.E. Perry, Editor.
Quality Assurance Institute, Suite 350, Dr. Phillips Blvd. Orlando, FL 32819. 407-363-1111 (Vol. 9 in 1989).

Risk Analysis Quarterly.
Journal of the Society for Risk Analysis.
Curtis Travis, Editor-in-Chief.
Plenum Publishing Co., 233 Spring Street, New York, 10013. (Vol. 9 in 1989).

Rutgers Computer and Technology Law Journal. Semiannual.
Frances Bouchoux, Editor-in-Chief.
Rutgers Law School, 15 Washington Street, Newark, NJ 07102. 201-648-5549 (Vol. 12 in 1986).

Security Monthly.
Cahners Publishers, 44 Cook Street, Denver, CO 80206. 303-388-4511 (New in 1989).

Security, Audit & Control Review
Quarterly.
Tom Richards, Editor.
ACM Special Interest Group on Security, Audit and Control (SIG/SAC), 11 West 42nd Street, New York, NY 10036. 817-565-3110 (Vol. 6 in 1989).

Security Letter Biweekly.
Robert McCrie, Editor.
Security Letter, 166 East 96th St., New York, NY 10128. 212-348-1553 (Vol. 20 in 1989).

Security Management Monthly.
American Association for Industrial Security (ASIS), 1655 North Fort Myer Drive, Suite 1200, Arlington, VA 22209. 703-522-5800 (Vol. 33 in 1989).

Security Systems Administration
Monthly.
Thomas S. Kapinos, Editor.
PTN Publishing Co., 101 Crossways Park West, Woodbury, NY 11797. 516-496-8000 (Vol. 18 in 1989).

Security World Monthly.
Kerrigan Lyndon, Editor.
Cahners Publishing Co., Cahners Plaza, 1350 E. Touchy Avenue, PO Box 5080, Des Plaines, IL 60018. 312-635-8800 (Vol. 26 in 1989).

Software Law Journal Quarterly.
Michael D. Scott, Editor.
Center for Computer/Law, PO Box 3549, Manhattan Beach, CA 90266. 213-470-6361 (Vol. 2 in 1989).

Software Protection Monthly.
Michael Scott, Editor.
Law and Technology Press, PO Box 3280, Manhattan Beach, CA 90266. 213-470-9976 (Vol. 8 in 1989).

Transnational Data Report
Monthly.
Timothy G.Donovan, Editor.
Transnational Data Reporting Service, Inc., PO Box 2039, Springfield, VA 22152. 202-488-3434 (Vol. 12 in 1989).

The EDP Auditor Journal
The EDP Auditors Foundation, PO Box 88180, Carol Stream, IL, 60188-0180.

Virus Bulletin Monthly.
Edward Wilding, Editor.
Virus Bulletin, Ltd., Haddenham, Aylesbury, HP17 8JD, U.K. +44 844 290396, or PO Box 875, 454 Main Street, Ridgefield, CT 06877. 203-431-8720 (Vol. 1 in 1989).

Appendix B: List of Key Words

This appendix contains a list of all the keywords used in each of the sections.

Section 1: General

awareness, book, crime, computer virus, Congress, contingency, ethics, general, government, guidelines, hackers, integrity, international, laws, legislation, PC [personal computer], physical, policy, risk, software piracy, techniques, threats, virus, vulnerabilities.

Section 2: Management

auditing, awareness, book, certification, computer virus, control [access control], denial [of service], general, government, guidelines, hackers, hardware, integrity, management, methods [mechanisms, procedures], PC [personal computer, microcomputer], personnel, physical, policy, proceedings, recovery [operational, disaster], requirement, risk [management], software, techniques, theory, virus [worm], vulnerabilities.

Section 3: Foundations

authentication, capability, case [specific description], control, covert channel, database, discretionary, flow, formal, inference [non-inference], integrity, LAN [local area network], methods, models, MLS [multi-level security], network [also distributed system], policy, proceedings, safety, specification, take-grant [specific access control model], theory, trusted [systems], verification, virus.

Section 4: Access Control

control [access], architecture, authentication [identification], book, capability [for access control], case [case study], design, discretionary, government, guidelines, hardware, integrity, management, mandatory, methods, OS [operating system], passwords, proceedings PC [personal computer], safety, software, techniques, trusted [system].

Section 5: Trusted Systems

architecture, authentication, book, capability, case [case study], certification, control, covert channel, criteria, cryptography, denial [of service], design, discretionary, general, government, guidelines, integrity, kernel, methods, MLS, models, network, OS [operating system], proceedings, specifications, software, TCB [trusted computing base], threat, techniques, theory, trusted [system], verification,

Section 6: Database Security

auditing, authentication, case [case study, example], control [access control], criteria, database [files, records], design, discretionary, distributed, encryption, government, guidelines, inference, integrity, kernel, DBMS [database management system], mandatory, methods, models, MLS, network [distributed], policy, privacy, proceedings, relational, requirements, software, statistical [databank], techniques, theory, trusted, verification, views [of database].

Section 7: Communication and Network Security

architecture, auditing, authentication, book, case [case study], controls, criteria, crypto [cryptography], DES [data encryption standard], design, distributed, EM [electronic mail], general, government, guidelines, hardware, keys [cryptographic], LAN [local area network], management, methods, MLS, models, network [also distributed system], OS [operating system], OSI [open systems interconnect], PC [personal computer, terminal], physical, policy, proceedings, protocols, public-key [cryptography], requirements, RSA [Rivest-Shamir-Adleman public-key algorithm], software, standards, techniques, threats [also covert channels], trusted [system], verification [also assurance], vulnerabilities.

Section 8: Cryptography

algorithms, analysis [also crypto-analysis], authentication [identification], book, check-sum, codes, complexity, DES [data encryption standard], design, evaluation, hardware, integrity, keys [cryptographic keys, management], knapsack [public-key algorithm], methods, proceedings, protocols, public-key [cryptographic method], oblivious [transfer protocol], one-way [functions], policy, random, RSA, research, signatures [digital], software, techniques, theory. threats, trap-door [functions], verification, vulnerabilities, zero [zero-information protocol].

Section 9: Privacy ("privacy" is implicit in all entries).

analysis, book, case [case study], confidentiality, Congress, credit [data], criminal [justice records], databank, design, EFTS [electronic funds transfer system], employment [records], FOI [freedom of information], foreign [countries other than the U.S.], general, government, guidelines, identifier, laws [legislation], management, matching, medical [records], oversight [of laws], PA [U.S. Privacy Act of 1074], proceedings, profiling, protection [of rights], records, requirements, rights [individual], social [sciences], statistical [data, databanks], surveillance, threats, TDF [transborder dataflow], use.

☆U.S. GOVERNMENT PRINTING OFFICE: 1990 - 281 - 61623489

NIST-114A
(REV. 3-89)

U.S. DEPARTMENT OF COMMERCE
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY

BIBLIOGRAPHIC DATA SHEET

1. PUBLICATION OR REPORT NUMBER
NIST/SP-800/1

2. PERFORMING ORGANIZATION REPORT NUMBER

3. PUBLICATION DATE
December 1990

4. TITLE AND SUBTITLE

Bibliography of Selected Computer Security Publications
January 1980 - October 1989

5. AUTHOR(S)

Rein Turn, compiler; Lawrence E. Bassham III, editor

6. PERFORMING ORGANIZATION (IF JOINT OR OTHER THAN NIST, SEE INSTRUCTIONS)

U.S. DEPARTMENT OF COMMERCE
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY
GAITHERSBURG, MD 20899

Rein Turn Associates
15239 Earlham St.
Pacific Palisades, CA

7. CONTRACT/GRANT NUMBER
43NANB922203

8. TYPE OF REPORT AND PERIOD COVERED
January 1980-October 1989

9. SPONSORING ORGANIZATION NAME AND COMPLETE ADDRESS (STREET, CITY, STATE, ZIP)

Same as item #6

10. SUPPLEMENTARY NOTES

□ DOCUMENT DESCRIBES A COMPUTER PROGRAM; SF-185, FIPS SOFTWARE SUMMARY, IS ATTACHED.

11. ABSTRACT (A 200-WORD OR LESS FACTUAL SUMMARY OF MOST SIGNIFICANT INFORMATION. IF DOCUMENT INCLUDES A SIGNIFICANT BIBLIOGRAPHY OR LITERATURE SURVEY, MENTION IT HERE.)

This bibliography cites selected books and articles on computer security published from January 1980 through October 1989. To have been selected, an article had to be substantial in content and have been published in professional or technical journals, magazines, or conference proceedings. Only very substantial articles from the popular or trade press were included. English language articles from foreign journals were included as available. The citations are listed under nine categories. A tenth category of pre-1980 publications is also provided, as well as an appendix containing addresses of all journals and magazines referenced in the bibliography.

12. KEY WORDS (6 TO 12 ENTRIES; ALPHABETICAL ORDER; CAPITALIZE ONLY PROPER NAMES; AND SEPARATE KEY WORDS BY SEMICOLONS)

access controls; auditing; communications security; computer crime; computer security; confidentiality; crytography; disaster recovery; integrity; privacy; risk management; trusted computing base.

13. AVAILABILITY

☒ UNLIMITED

□ FOR OFFICIAL DISTRIBUTION. DO NOT RELEASE TO NATIONAL TECHNICAL INFORMATION SERVICE (NTIS).

☒ ORDER FROM SUPERINTENDENT OF DOCUMENTS, U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, DC 20402.

☒ ORDER FROM NATIONAL TECHNICAL INFORMATION SERVICE (NTIS), SPRINGFIELD, VA 22161.

14. NUMBER OF PRINTED PAGES
200

15. PRICE

ANNOUNCEMENT OF NEW PUBLICATIONS ON COMPUTER SECURITY

Superintendent of Documents
Government Printing Office
Washington, DC 20402

Dear Sir:

Please add my name to the announcement list of new publications to be issued in the series: National Institute of Standards and Technology Special Publication 800-.

Name ____

Company ____

Address ____

City ______________ State ____________ Zip Code __________

(Notification key N-503)

NIST Technical Publications

Periodical

Journal of Research of the National Institute of Standards and Technology—Reports NIST research and development in those disciplines of the physical and engineering sciences in which the Institute is active. These include physics, chemistry, engineering, mathematics, and computer sciences. Papers cover a broad range of subjects, with major emphasis on measurement methodology and the basic technology underlying standardization. Also included from time to time are survey articles on topics closely related to the Institute's technical and scientific programs. Issued six times a year.

Nonperiodicals

Monographs—Major contributions to the technical literature on various subjects related to the Institute's scientific and technical activities.

Handbooks—Recommended codes of engineering and industrial practice (including safety codes) developed in cooperation with interested industries, professional organizations, and regulatory bodies.

Special Publications—Include proceedings of conferences sponsored by NIST, NIST annual reports, and other special publications appropriate to this grouping such as wall charts, pocket cards, and bibliographies.

Applied Mathematics Series—Mathematical tables, manuals, and studies of special interest to physicists, engineers, chemists, biologists, mathematicians, computer programmers, and others engaged in scientific and technical work.

National Standard Reference Data Series—Provides quantitative data on the physical and chemical properties of materials, compiled from the world's literature and critically evaluated. Developed under a worldwide program coordinated by NIST under the authority of the National Standard Data Act (Public Law 90-396). NOTE: The Journal of Physical and Chemical Reference Data (JPCRD) is published quarterly for NIST by the American Chemical Society (ACS) and the American Institute of Physics (AIP). Subscriptions, reprints, and supplements are available from ACS, 1155 Sixteenth St., NW., Washington, DC 20056.

Building Science Series—Disseminates technical information developed at the Institute on building materials, components, systems, and whole structures. The series presents research results, test methods, and performance criteria related to the structural and environmental functions and the durability and safety characteristics of building elements and systems.

Technical Notes—Studies or reports which are complete in themselves but restrictive in their treatment of a subject. Analogous to monographs but not so comprehensive in scope or definitive in treatment of the subject area. Often serve as a vehicle for final reports of work performed at NIST under the sponsorship of other government agencies.

Voluntary Product Standards—Developed under procedures published by the Department of Commerce in Part 10, Title 15, of the Code of Federal Regulations. The standards establish nationally recognized requirements for products, and provide all concerned interests with a basis for common understanding of the characteristics of the products. NIST administers this program as a supplement to the activities of the private sector standardizing organizations.

Consumer Information Series—Practical information, based on NIST research and experience, covering areas of interest to the consumer. Easily understandable language and illustrations provide useful background knowledge for shopping in today's technological marketplace.

Order the **above** *NIST publications from: Superintendent of Documents, Government Printing Office, Washington, DC 20402.*

Order the **following** *NIST publications—FIPS and NISTIRs—from the National Technical Information Service, Springfield, VA 22161.*

Federal Information Processing Standards Publications (FIPS PUB)—Publications in this series collectively constitute the Federal Information Processing Standards Register. The Register serves as the official source of information in the Federal Government regarding standards issued by NIST pursuant to the Federal Property and Administrative Services Act of 1949 as amended, Public Law 89-306 (79 Stat. 1127), and as implemented by Executive Order 11717 (38 FR 12315, dated May 11, 1973) and Part 6 of Title 15 CFR (Code of Federal Regulations).

NIST Interagency Reports (NISTIR)—A special series of interim or final reports on work performed by NIST for outside sponsors (both government and non-government). In general, initial distribution is handled by the sponsor; public distribution is by the National Technical Information Service, Springfield, VA 22161, in paper copy or microfiche form.

U.S. Department of Commerce
National Institute of Standards and Technology
(formerly National Bureau of Standards)
Gaithersburg, MD 20899

Official Business
Penalty for Private Use $300