

References

Textbooks

- [Ash65] R.B. Ash: Information Theory. New York: John Wiley & Sons, 1965.
- [BalDiaGab95] J.L. Balcázar, J. Díaz, J. Gabarró: Structural Complexity I. Berlin, Heidelberg, New York: Springer-Verlag, 1995.
- [Bauer96] H. Bauer: Probability Theory. Berlin: de Gruyter, 1996.
- [BerPer85] J. Berstel, D. Perrin: Theory of Codes. Orlando: Academic Press, 1985.
- [Buchmann2000] J.A. Buchmann: Introduction to Cryptography. Berlin, Heidelberg, New York: Springer-Verlag, 2000.
- [Cohen95] H. Cohen: A Course in Computational Algebraic Number Theory. Berlin, Heidelberg, New York: Springer-Verlag, 1995.
- [CovTho92] T.M. Cover, J.A. Thomas: Elements of Information Theory. New York: John Wiley & Sons, 1992.
- [Feller68] W. Feller: An Introduction to Probability Theory and its Applications. 3rd ed. New York: John Wiley & Sons, 1968.
- [Forster96] O. Forster: Algorithmische Zahlentheorie. Braunschweig, Wiesbaden: Vieweg, 1996.
- [GanYlv67] R.A. Gangolli, D. Ylvisaker: Discrete Probability. New York: Harcourt, Brace & World, 1967.
- [Goldreich99] O. Goldreich: Modern Cryptography, Probabilistic Proofs and Pseudorandomness. Berlin, Heidelberg, New York: Springer-Verlag, 1999.
- [Goldreich01] O. Goldreich: Foundations of Cryptography - Basic Tools. Cambridge University Press, 2001.
- [GolPeiSch94] S.W. Golomb, R.E. Peile, R.A. Scholtz: Basic Concepts in Information Theory and Coding. New York: Plenum Press, 1994.
- [Gordon97] H. Gordon: Discrete Probability. Berlin, Heidelberg, New York: Springer-Verlag, 1997.
- [Hamming86] R.W. Hamming: Coding and Information Theory. 2nd ed. Englewood Cliffs, NJ: Prentice Hall, 1986.
- [HarWri79] G.H. Hardy, E.M. Wright: An Introduction to the Theory of Numbers. 5th ed. Oxford: Oxford University Press, 1979.
- [HopUll79] J. Hopcroft, J. Ullman: Introduction to Automata Theory, Languages and Computation. Reading, MA: Addison-Wesley Publishing Company, 1979.
- [IreRos82] K. Ireland, M.I. Rosen: A Classical Introduction to Modern Number Theory. Berlin, Heidelberg, New York: Springer-Verlag, 1982.
- [Kahn67] D. Kahn: The Codebreakers: The Story of Secret Writing. New York: Macmillan Publishing Co. 1967.
- [Knuth98] D.E. Knuth: The Art of Computer Programming. 3rd ed. Volume 2 / Seminumerical Algorithms. Reading, MA: Addison-Wesley Publishing Company, 1998.

- [Koblitz94] N. Koblitz: A Course in Number Theory and Cryptography. 2nd ed. Berlin, Heidelberg, New York: Springer-Verlag, 1994.
- [Luby96] M. Luby: Pseudorandomness and Cryptographic Applications. Princeton, NJ: Princeton University Press, 1996.
- [MenOorVan96] A. Menezes, P.C. van Oorschot, S.A. Vanstone: Handbook of Applied Cryptography. Boca Raton, New York, London, Tokyo: CRC-Press, 1996.
- [MotRag95] R. Motwani, P. Raghavan: Randomized Algorithms. Cambridge, UK: Cambridge University Press, 1995.
- [Osen74] L.M. Osen: Women in Mathematics. Cambridge, MA: MIT, 1974.
- [Papadimitriou94] C.H. Papadimitriou: Computational Complexity. Reading, MA: Addison-Wesley Publishing Company, 1994.
- [Rényi70] A. Rényi: Probability Theory. Amsterdam: North-Holland, 1970.
- [Riesel94] H. Riesel: Prime Numbers and Computer Methods for Factorization. Boston, Basel: Birkhäuser, 1994.
- [Rose94] H.E. Rose: A Course in Number Theory. 2nd ed. Oxford: Clarendon Press, 1994.
- [Rosen2000] K.H. Rosen: Elementary Number Theory and its Applications. 4th ed. Reading, MA: Addison-Wesley Publishing Company, 2000.
- [Salomaa90] A. Salomaa: Public-Key Cryptography. Berlin, Heidelberg, New York: Springer-Verlag, 1990.
- [Schneier96] B. Schneier: Applied Cryptography. New York: John Wiley & Sons, 1996.
- [Simmons92] G.J. Simmons (ed.): Contemporary Cryptology. Piscataway, NJ: IEEE-Press, 1992.
- [Stinson95] D.R. Stinson: Cryptography - Theory and Practice. Boca Raton, New York, London, Tokyo: CRC-Press, 1995.

Papers

- [AleChoGolSch88] W.B. Alexi, B. Chor, O. Goldreich, C.P. Schnorr: RSA/Rabin functions: certain parts are as hard as the whole. *SIAM Journal on Computing*, 17(2): 194–209, April 1988.
- [AumDinRab02] Y. Aumann, Y.Z. Ding, M.O. Rabin: Everlasting security in the bounded storage model. To appear in *IEEE Transactions on Information Theory*, April, 2002.
- [AumRab99] Y. Aumann, M.O. Rabin: Information-theoretically secure communication in the limited storage space model. *Advances in Cryptology - CRYPTO '99, Lecture Notes in Computer Science*, 1666: 65–79, Springer-Verlag, 1999.
- [Bach88] E. Bach: How to generate factored random numbers. *SIAM Journal on Computing*, 17(2): 179–193, April 1988.
- [BarPfi97] N. Barić, B. Pfitzmann: Collision-free accumulators and fail-stop signature schemes without trees. *Advances in Cryptology - EUROCRYPT '97, Lecture Notes in Computer Science*, 1233: 480–494, Springer-Verlag, 1997.
- [BatHor62] P. Bateman, R. Horn: A heuristic formula concerning the distribution of prime numbers. *Mathematics of Computation*, 16: 363–367, 1962.
- [BatHor65] P. Bateman, R. Horn: Primes represented by irreducible polynomials in one variable. *Proc. Symp. Pure Math.*, 8: 119–135, 1965.
- [BeGrGwHåKiMiRo88] M. Ben-Or, O. Goldreich, S. Goldwasser, J. Håstad, J. Kilian, S. Micali, P. Rogaway: Everything provable, is provable in zero-knowledge. *Advances in Cryptology - CRYPTO '88, Lecture Notes in Computer Science*, 403: 37–56, Springer-Verlag, 1990.
- [Bellare99] M. Bellare : Practice oriented provable security. *Lectures on Data Security. Lecture Notes in Computer Science*, 1561: 1–15, Springer-Verlag, 1999.

- [BelRog94] M. Bellare, P. Rogaway: Optimal asymmetric encryption. *Advances in Cryptology - EUROCRYPT '94*, Lecture Notes in Computer Science, 950: 92–111, Springer-Verlag, 1995.
- [BelRog96] M. Bellare, P. Rogaway: The exact security of digital signatures, how to sign with RSA and Rabin. *Advances in Cryptology - EUROCRYPT '96*, Lecture Notes in Computer Science, 1070: 399–416, Springer-Verlag, 1996.
- [BelRog97] M. Bellare, P. Rogaway: Collision-resistant hashing: towards making UOWHF practical. *Advances in Cryptology - CRYPTO '97*, Lecture Notes in Computer Science, 1294: 470–484, Springer-Verlag, 1997.
- [Bleichenbacher96] D. Bleichenbacher: Generating ElGamal signatures without knowing the secret key. *Advances in Cryptology - EUROCRYPT '96*, Lecture Notes in Computer Science, 1070: 10–18, Springer-Verlag, 1996.
- [BluBluShu86] L. Blum, M. Blum, M. Shub: A simple unpredictable pseudorandom number generator. *SIAM Journal on Computing*, 15(2): 364–383, 1986.
- [BluGol85] M. Blum, S. Goldwasser: An efficient probabilistic public-key encryption scheme which hides all partial information. *Advances in Cryptology - Proceedings of CRYPTO 84*, Lecture Notes in Computer Science, 196: 289–299, Springer-Verlag, 1985.
- [Blum82] M. Blum: Coin flipping by telephone: a protocol for solving impossible problems. *Proceedings of the 24th IEEE Computer Conference*, San Francisco, Calif., February 22–25, 1982: 133–137, 1982.
- [Blum83] M. Blum: Independent unbiased coin flips from a correlated biased source. *Proceedings of the IEEE 25th Annual Symposium on Foundations of Computer Science*, Singer Islands, Fla., October 24–26, 1984: 425–433, 1984.
- [BluMic84] M. Blum, S. Micali: How to generate cryptographically strong sequences of pseudorandom bits. *SIAM Journal on Computing*, 13(4): 850–863, November 1984.
- [Boer88] B. Den Boer: Diffie-Hellman is as strong as discrete log for certain primes. *Advances in Cryptology - CRYPTO '88*, Lecture Notes in Computer Science, 403: 530–539, Springer-Verlag, 1990.
- [BonVen96] D. Boneh, R. Venkatesan: Hardness of computing the most significant bits of secret keys in Diffie-Hellman and related schemes. *Advances in Cryptology - CRYPTO '96*, Lecture Notes in Computer Science, 1109: 129–142, Springer-Verlag, 1996.
- [Brands93] S. Brands: An efficient off-line electronic cash system based on the representation problem. Technical Report CS-R9323. Amsterdam, NL: Centrum voor Wiskunde en Informatica (CWI), 1993.
- [BraCre96] G. Brassard, C. Crepeau: 25 years of quantum cryptography. *SIGACT News* 27(3): 13–24, 1996.
- [CachMau97] C. Cachin, U.M. Maurer: Unconditional security against memory-bounded adversaries. *Advances in Cryptology - CRYPTO '96*, Lecture Notes in Computer Science, 1109: 292–306, Springer-Verlag, 1996.
- [CamMauSta96] J. Camenisch, U.M. Maurer, M. Stadler: Digital payment systems with passive anonymity revoking trustees. *Proceedings of ESORICS '96*, Lecture Notes in Computer Science, 1146: 33–43, Springer-Verlag, 1996.
- [CamWie92] K. W. Campbell, M. J. Wiener: DES is not a group. *Advances in Cryptology - CRYPTO '92*, Lecture Notes in Computer Science, 740: 512–520, Springer-Verlag, 1993.
- [CamPivSta94] J.L. Camenisch, J.M. Piveteau, M.A. Stadler: Blind signatures based on the discrete logarithm problem. *Advances in Cryptology - EUROCRYPT '94*, Lecture Notes in Computer Science, 950: 428–432, Springer-Verlag, 1995.

- [CanGolHal98] R. Canetti, O. Goldreich, S. Halevi: The random oracle methodology, revisited. STOC'98, Dallas, Texas: 209–218, New York, NY: ACM, 1998.
- [CarWeg79] J.L. Carter, M.N. Wegman: Universal classes of hash functions. *Journal of Computer and System Sciences*, 18: 143–154, 1979.
- [ChaPed92] D. Chaum, T. Pedersen: Wallet databases with observers. *Advances in Cryptology - CRYPTO '92*, Lecture Notes in Computer Science, 740: 89–105, Springer-Verlag, 1993.
- [Chaum82] D. Chaum: Blind signatures for untraceable payments. *Advances in Cryptology - Proceedings of CRYPTO 82*: 199–203, Plenum Press 1983.
- [CraDam96] R. Cramer, I. Damgård: New generation of secure and practical RSA-based signatures. *Advances in Cryptology - CRYPTO '96*, Lecture Notes in Computer Science, 1109: 173–185, Springer-Verlag, 1996.
- [CraFraSchYun96] R. Cramer, M.K. Franklin, B. Schoenmakers, M. Yung: Multi-authority secret-ballot elections with linear work. *Advances in Cryptology - EUROCRYPT '96*, Lecture Notes in Computer Science, 1070: 72–83, Springer-Verlag, 1996.
- [CraGenSch97] R. Cramer, R. Gennaro, B. Schoenmakers: A secure and optimally efficient multi-authority election scheme. *Advances in Cryptology - EUROCRYPT '97*, Lecture Notes in Computer Science, 1233: 103–118, Springer-Verlag, 1997.
- [CraSho2000] R. Cramer, V. Shoup: Signature schemes based on the strong RSA assumption. *ACM Transactions on Information and System Security*, 3(3): 161–185, 2000.
- [Damgård87] I.B. Damgård: Collision-free hash functions and public-key signature schemes. *Advances in Cryptology - EUROCRYPT '87*, Lecture Notes in Computer Science, 304: 203–216, Springer-Verlag, 1988.
- [Diffie88] W. Diffie: The first ten years of public key cryptology. In: G.J. Simmons (ed.): *Contemporary Cryptology*, 135–175, Piscataway, NJ: IEEE-Press, 1992.
- [DiffHel76] W. Diffie, M.E. Hellman: New directions in cryptography. *IEEE Transactions on Information Theory*, IT-22: 644–654, 1976.
- [DiffHel77] W. Diffie, M. E. Hellman: Exhaustive cryptanalysis of the NBS data encryption standard. *Computer*, 10: 74–84, 1977.
- [Ding01] Y.Z. Ding: Provable everlasting security in the bounded storage model. PhD Thesis, Cambridge, MA: Harvard University, May 2001.
- [DinRab01] Y.Z. Ding, M.O. Rabin: Hyper-encryption and everlasting security. Preprint, October 10, 2001.
- [Dobbertin96] H. Dobbertin: Welche Hash-Funktionen sind für digitale Signaturen geeignet? In: P. Horster (ed.): *Digitale Signaturen*, 81–92, Braunschweig, Wiesbaden: Vieweg 1996.
- [DwoNao94] C. Dwork, M. Naor: An efficient unforgeable signature scheme and its applications. *Advances in Cryptology - CRYPTO '94*, Lecture Notes in Computer Science, 839: 234–246, Springer-Verlag, 1994.
- [ElGamal84] T. ElGamal: A public key cryptosystem and a signature scheme based on discrete logarithms. *Advances in Cryptology - Proceedings of CRYPTO 84*, Lecture Notes in Computer Science, 196: 10–18, Springer-Verlag, 1985.
- [FiaSha86] A. Fiat, A. Shamir: How to prove yourself: practical solutions to identification and signature problems. *Advances in Cryptology - CRYPTO '86*, Lecture Notes in Computer Science, 263: 186–194, Springer-Verlag, 1987.
- [FIPS46 1977] FIPS46: Data Encryption Standard. Federal Information Processing Standards Publication 46, U.S. Department of Commerce/National Bureau of Standards, National Technical Information Service, Springfield, Virginia, 1977.
- [FisSch2000] R. Fischlin, C.P. Schnorr: Stronger security proofs for RSA and Rabin bits. *Journal of Cryptology*, 13(2): 221–244, 2000.

- [FujOkaPoiSte2001] E. Fujisaki, T. Okamoto, D. Pointcheval, J. Stern: RSA-OAEP is secure under the RSA assumption. *Advances in Cryptology - CRYPTO '2001, Lecture Notes in Computer Science*, 2139: 260–274, Springer-Verlag, 2001.
- [GenHalRab99] R. Gennaro, S. Halevi, T. Rabin: Secure hash-and-sign signatures without the random oracle. *Advances in Cryptology - EUROCRYPT '99, Lecture Notes in Computer Science*, 1592: 123–139, Springer-Verlag, 1999.
- [GenJarKraRab99] R. Gennaro, S. Jarecki, H. Krawczyk, T. Rabin: Secure distributed key generation for discrete-log based cryptosystems. *Advances in Cryptology - EUROCRYPT '99, Lecture Notes in Computer Science*, 1592: 295–310, Springer-Verlag, 1999.
- [Gill77] J. Gill: Computational complexity of probabilistic Turing machines. *SIAM Journal on Computing*, 6(4): 675–695, December 1977.
- [GolLev89] O. Goldreich, L. Levin: A hard-core predicate for all one-way functions. *Proceedings of the 21st Annual ACM Symposium on Theory of Computing*, Seattle, Wash., May 15–17, 1989: 25–32, 1989.
- [GolMic84] S. Goldwasser, S. Micali: Probabilistic encryption. *Journal of Computer and System Sciences*, 28(2): 270–299, 1984.
- [GolMicRac89] S. Goldwasser, S. Micali, C. Rackoff: The knowledge complexity of interactive proof systems. *SIAM Journal on Computing*, 18: 185–208, 1989.
- [GolMicRiv88] S. Goldwasser, S. Micali, R. Rivest: A digital signature scheme secure against chosen message attacks. *SIAM Journal on Computing*, 17(2): 281–308, 1988.
- [GolMicTon82] S. Goldwasser, S. Micali, P. Tong: Why and how to establish a private code on a public network. *Proceedings of the IEEE 23rd Annual Symposium on Foundations of Computer Science*, Chicago, Ill., November 3–5, 1982: 134–144, 1982.
- [GolMicWid86] O. Goldreich, S. Micali, A. Wigderson: Proofs that yield nothing but their validity and a methodology of cryptographic protocol design. *Proceedings of the IEEE 27th Annual Symposium on Foundations of Computer Science*, Toronto, October 27–29, 1986: 174–187, 1986.
- [Gordon84] J.A. Gordon: Strong primes are easy to find. *Advances in Cryptology - EUROCRYPT '84, Lecture Notes in Computer Science*, 209: 216–223, Springer-Verlag, 1985.
- [ISO/IEC 9594-8] Information technology - Open Systems Interconnection - The Directory: Authentication framework. International Organization for Standardization, Geneva, Switzerland, 1995.
- [ISO/IEC 10116] Information processing - Modes of operation for an n -bit block cipher algorithm. International Organization for Standardization, Geneva, Switzerland, 1991.
- [ISO/IEC 10118-2] Information technology - Security techniques - Hash-functions - Part 2: Hash-functions using an n -bit block cipher algorithm. International Organization for Standardization, Geneva, Switzerland, 1994.
- [Koblitz88] N. Koblitz: Primality of the number of points on an elliptic curve over a finite field. *Pacific Journal of Mathematics*, 131(1): 157–165, 1988.
- [LeeMooShaSha55] K. de Leeuw, E.F. Moore, C.E. Shannon, N. Shapirio: Computability by probabilistic machines. In: C.E. Shannon, J. McCarthy (eds.): *Automata Studies*, 183–212, Princeton, NJ: Princeton University Press, 1955.
- [MatMeyOse85] S.M. Matyas, C.H. Meyer, J. Oseas: Generating strong one way functions with cryptographic algorithm. *IBM Techn. Disclosure Bull.*, 27(10A), 1985.
- [MatTakIma86] T. Matsumoto, Y. Takashima, H. Imai: On seeking smart public-key-distribution systems. *The Transactions of the IECE of Japan*, E69: 99–106, 1986.

- [Maurer92] U.M. Maurer: Conditionally-perfect secrecy and a provably-secure randomized cipher. *Journal of Cryptology*, 5(1): 53–66, 1992.
- [Maurer94] U.M. Maurer: Towards the equivalence of breaking the Diffie-Hellman protocol and computing discrete logarithms. *Advances in Cryptology - CRYPTO '94, Lecture Notes in Computer Science*, 839: 271–281, Springer-Verlag, 1994.
- [Maurer95] U.M. Maurer: Fast generation of prime numbers and secure public-key cryptographic parameters. *Journal of Cryptology*, 8: 123–155, 1995.
- [Maurer97] U.M. Maurer: Information-theoretically secure secret-key agreement by not authenticated public discussion. *Advances in Cryptology - EUROCRYPT '92, Lecture Notes in Computer Science*, 658: 209–225, Springer-Verlag, 1993.
- [Maurer99] U.M. Maurer: Information-theoretic cryptography. *Advances in Cryptology - CRYPTO '99, Lecture Notes in Computer Science*, 1666: 47–65, Springer-Verlag, 1999.
- [MauWol96] U.M. Maurer, S. Wolf: Diffie-Hellman oracles. *Advances in Cryptology - CRYPTO '96, Lecture Notes in Computer Science*, 1109: 268–282, Springer-Verlag, 1996.
- [MauWol97] U.M. Maurer, S. Wolf: Privacy amplification secure against active adversaries. *Advances in Cryptology - CRYPTO '96, Lecture Notes in Computer Science*, 1109: 307–321, Springer-Verlag, 1996.
- [MauWol98] U.M. Maurer, S. Wolf: Diffie-Hellman, Decision Diffie-Hellman, and discrete logarithms. *Proceedings of ISIT '98, Cambridge, MA, August 16–21, 1998, IEEE Information Theory Society*: 327, 1998.
- [MauWol2000] U.M. Maurer, S. Wolf: The Diffie-Hellman protocol. *Designs, Codes, and Cryptography, Special Issue Public Key Cryptography*, 19: 147–171, Kluwer Academic Publishers, 2000.
- [MicRacSlo88] S. Micali, C. Rackoff, B. Sloan: The notion of security for probabilistic cryptosystems. *SIAM Journal on Computing*, 17: 412–426, 1988.
- [NaoYun89] M. Naor, M. Yung: Universal one-way hash functions and their cryptographic applications. *Proceedings of the 21st Annual ACM Symposium on Theory of Computing, Seattle, Wash., May 15–17, 1989*: 33–43, 1989.
- [NeeSch78] R.M. Needham, M.D. Schroeder: Using encryption for authentication in large networks of computers. *Communications of the ACM*, 21: 993–999, 1978.
- [von Neumann63] J. von Neumann: Various techniques for use in connection with random digits. In: *von Neumann's Collected Works*, 768–770. New York: Pergamon, 1963.
- [NeuTs'o94] B.C. Neuman, T. Ts'o: Kerberos: an authentication service for computer networks. *IEEE Communications Magazine*, 32: 33–38, 1994.
- [Newman80] D.J. Newman: Simple analytic proof of the prime number theorem. *Am. Math. Monthly* 87: 693–696, 1980.
- [NIST94] National Institute of Standards and Technology, NIST FIPS PUB 186, Digital Signature Standard, U.S. Department of Commerce, 1994.
- [Okamoto92] T. Okamoto: Provably secure and practical identification schemes and corresponding signature schemes. *Advances in Cryptology - CRYPTO '92, Lecture Notes in Computer Science*, 740: 31–53, Springer-Verlag, 1993.
- [OkaOht91] T. Okamoto, K. Ohta: Universal electronic cash. *Advances in Cryptology - CRYPTO '91, Lecture Notes in Computer Science*, 576: 324–337, Springer-Verlag, 1992.
- [OngSchSha84] H. Ong, C.P. Schnorr, A. Shamir: Efficient signature schemes based on quadratic equations. *Advances in Cryptology - Proceedings of CRYPTO 84, Lecture Notes in Computer Science*, 196: 37–46, Springer-Verlag, 1985.

- [Pedersen91] T. Pedersen: A threshold cryptosystem without a trusted party. *Advances in Cryptology - EUROCRYPT '91, Lecture Notes in Computer Science*, 547: 522–526, Springer-Verlag, 1991.
- [Peralta92] R. Peralta: On the distribution of quadratic residues and nonresidues modulo a prime number. *Mathematics of Computation*, 58(197): 433–440, 1992.
- [Pfitzmann96] B. Pfitzmann: Digital signature schemes - general framework and fail-stop signatures. *Lecture Notes in Computer Science*, 1100, Springer-Verlag, 1996.
- [PohHel78] S.C. Pohlig, M.E. Hellman: An improved algorithm for computing logarithms over $GF(p)$ and its cryptographic significance. *IEEE Transactions on Information Theory*, IT24: 106–110, January 1978.
- [PoiSte2000] D. Pointcheval, J. Stern: Security arguments for digital signatures and blind signatures. *Journal of Cryptology*, 13(3): 361–396, 2000.
- [PolSch87] J.M. Pollard, C.P. Schnorr: An efficient solution of the congruence $x^2 + ky^2 = m \pmod{n}$. *IEEE Transactions on Information Theory*, 33(5): 702–709, 1987.
- [Rabin63] M.O. Rabin: Probabilistic automata. *Information and Control*, 6: 230–245, 1963.
- [Rabin79] M. O. Rabin: Digitalized signatures and public key functions as intractable as factorization. MIT/LCS/TR-212, MIT Laboratory for Computer Science, 1979.
- [Rényi61] A. Rényi: On measures of entropy and information. *Proc. 4th Berkeley Symposium on Mathematical Statistics and Probability*, vol. 1: 547–561, Berkeley: Univ. of Calif. Press, 1961.
- [RFC 1510] RFC 1510: The Kerberos network authentication service (V5). *Internet Request for Comments 1510*, J. Kohl, C. Neuman, 1993.
- [Rivest90] R. Rivest: The MD4 message digest algorithm. *Advances in Cryptology - CRYPTO '90, Lecture Notes in Computer Science*, 537: 303–311, Springer-Verlag, 1991.
- [RivShaAdl78] R. Rivest, A. Shamir, and L.M. Adleman: A method for obtaining digital signatures and public key cryptosystems. *Communications of the ACM*, 21(2): 120–126, 1978.
- [RosSch62] J. Rosser, L. Schoenfeld: Approximate formulas for some functions of prime numbers. *Illinois J. Math.* 6: 64–94, 1962.
- [Santos69] E.S. Santos: Probabilistic Turing machines and computability. *Proc. Amer. Math. Soc.* 22: 704–710, 1969.
- [SchnAle84] C.P. Schnorr, W. Alexi: RSA-bits are $0.5 + \epsilon$ secure. *Advances in Cryptology - EUROCRYPT '84, Lecture Notes in Computer Science*, 209: 113–126, Springer-Verlag, 1985.
- [Shannon48] C.E. Shannon: A mathematical theory of communication. *Bell Systems Journal*, 27: 379–423, 623–656, 1948.
- [Shannon49] C.E. Shannon: Communication theory of secrecy systems. *Bell Systems Journal*, 28: 656–715, 1949.
- [Shor94] P.W. Shor: Algorithms for quantum computation: discrete log and factoring. *Proceedings of the IEEE 35th Annual Symposium on Foundations of Computer Science*, Santa Fe, New Mexico, November 20–22, 1994: 124–134, 1994.
- [Shoup2001] V. Shoup: OAEP Reconsidered. *Advances in Cryptology - CRYPTO '2001, Lecture Notes in Computer Science*, 2139: 239–259, Springer-Verlag, 2001.
- [Stinson92] D.R. Stinson: Universal hashing and authentication codes. *Advances in Cryptology - CRYPTO '91, Lecture Notes in Computer Science*, 576: 74–85, Springer-Verlag, 1992.

- [Vazirani85] U.V. Vazirani: Towards a strong communication complexity, or generating quasi-random sequences from slightly random sources. Proceedings of the 17th Annual ACM Symposium on Theory of Computing, Providence, RI, May 6–8, 1985: 366–378, 1985.
- [VazVaz84] U.V. Vazirani, V.V. Vazirani: Efficient and secure pseudorandom number generation. Proceedings of the IEEE 25th Annual Symposium on Foundations of Computer Science, Singer Islands, Fla., October 24–26, 1984: 458–463, 1984.
- [Vernam19] G.S. Vernam: Secret signaling system. U.S. Patent # 1, 310, 719, 1919.
- [Vernam26] G.S. Vernam: Cipher printing telegraph systems for secret wire and radio telegraphic communications. Journal of American Institute for Electrical Engineers, 45: 109–115, 1926.
- [WaiPfi89] M. Waidner, B. Pfitzmann: The dining cryptographers in the disco: unconditional sender and recipient untraceability with computationally secure serviceability. Advances in Cryptology - EUROCRYPT '89, Lecture Notes in Computer Science, 434: 690, Springer-Verlag, 1990.
- [WegCar81] M.N. Wegman, J.L. Carter: New hash functions and their use in authentication and set equality. Journal of Computer and System Sciences, 22: 265–279, 1981.
- [Wiener90] M.J. Wiener: Cryptanalysis of short RSA secret exponents. IEEE Transactions on Information Theory, 36: 553–558, 1990.
- [Wolf98] S. Wolf: Unconditional security in cryptography. In: I. Damgård (ed.): Lectures on Data Security. Lecture Notes in Computer Science, 1561: 217–250, Springer-Verlag, 1998.

Internet

- [BelDesJokRog97] M. Bellare, A. Desai, E. Jopkipii, P. Rogaway: A concrete security treatment of symmetric encryption: analysis of the DES modes of operation. <http://www-cse.ucsd.edu/users/mihir/papers/sym-enc.html>, 1997.
- [GolBel01] S. Goldwasser, M. Bellare: Lecture notes on cryptography. <http://www-cse.ucsd.edu/users/mihir/papers/gb.html>, 2001.
- [Maurer01] U.M. Maurer et al.: Web pages of the Information Security and Cryptography Research Group, Swiss Federal Institute of Technology (ETH), Zürich, <http://www.crypto.ethz.ch/research>.
- [NIST2000] National Institute of Standards and Technology. Advanced Encryption algorithm (AES) development effort. <http://www.nist.gov/aes>.
- [RSALabs99] RSA Laboratories: DES challenge III. <http://www.rsa.com/rsalabs/des3/index.html>.